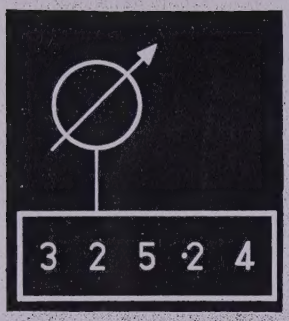
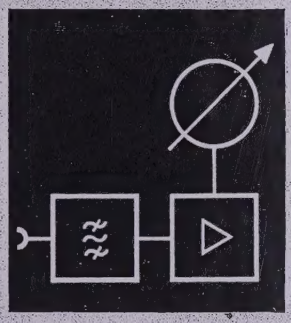
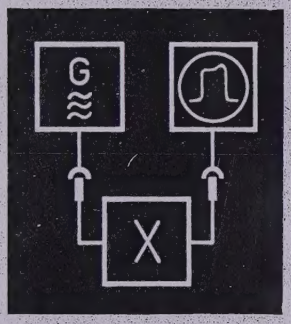






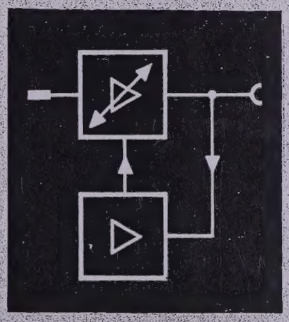
Selective Level Meter

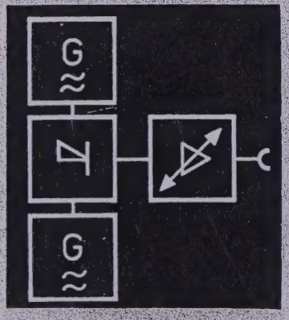
AT-463

coaxial 6 kHz to 18.6 MHz

balanced 6 kHz to 300 kHz and
60 kHz to 10 MHz

Description and
Operating Manual 341/2





MP MASTER
MA29285

WANDEL u. GOLTERMANN
REUTLINGEN / WÜRTT.

SELECTIVE LEVEL METER

coaxial 6 kHz to 18.6 MHz

balanced 6 kHz to 300 kHz and
600 kHz to 10 MHz

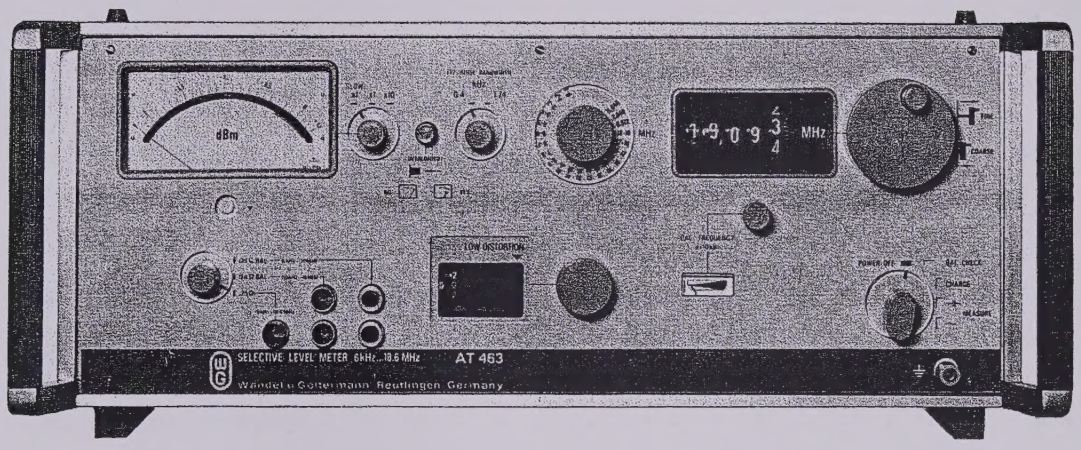
AT-463

Description and
Operating Manual BN 341/2 Series A...

1.6.68

01.10.68 1683

Subject to change without notice


dBm
MHz
LOW DISTORTION
SELECTIVE LEVEL METER 6kHz...18.6 MHz
AT 463
Wandel u. Goltermann Reutlingen Germany

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INTRODUCTION

The AT-463 selective level meter is an instrument which utilizes semi-conductors throughout. It can be operated from built-in batteries or from an AC power line.
Level measurements can be made on unbalanced objects in the frequency range from 6 kHz to 18,6 MHz and on balanced objects in the range from 6 kHz to 200 kHz at 135 Ω impedance, or from 60 kHz to 10 MHz at 124 Ω impedance. A novel type of automatic level calibration makes any manual calibration superfluous and guarantees high measuring accuracy throughout the whole frequency range. Furthermore a simplified overload check avoids measurement errors as a consequence of overdriving the receiver.
The readings are displayed on a meter having a linearly sub-divided attenuation scale with a measuring range which can be selected to cover either 2 dBm or 20 dBm The sensitivity is switchable in 2 dBm steps.
The selected frequency tuning is indicated in digital form by means of a 5 digit mechanical counter. In this manner a high accuracy of frequency selection is obtained. The 1 MHz steps of the coarse frequency tuning are phase locked to a quartz crystal, and the fine frequency tuning can be checked by comparison to an accurate 10 kHz quartz spectrum. In addition, the level meter can be equipped optionally in such a way that automatic tuning is possible for up to 3 additional crystal controlled fixed frequencies.
The model AT-463 also features high selectivity and sensitivity as well as the exceptionally low intrinsic distortion of the instrument. The equivalent noise bandwidth of the instrument can be switched from 1.74 kHz to 400 Hz.
Instruments for continuous level monitoring can be connected to the DC output. A headset output with a single or double sideband demodulator allows the modulation in the measured channel to be monitored.
The Level Meter AT-463 can be complemented with the Level Generator AT-462 (BN 340) so that a complete level measuring system is obtained. If generator and receiver are co-located, the frequency of both instruments can be varied synchronously from the receiver by means of an auxiliary connection. This simplifies operation considerably.
The above mentioned properties of the instrument make this level meter suitable for a wide variety of applications. Received signals can be analyzed for level and frequency with extreme accuracy. The high accuracy of the frequency setting allows measure-

ments to be made on operational carrier systems, where a specific channel or pilot frequency has to be accurately selected. Since the noise bandwidth of the instrument is made to correspond to a single telephone channel, noise measurements can, under certain conditions, also be made.

1. SPECIFICATIONS

All essential characteristics of our instruments are indicated by guaranteed tolerance and limit specifications and not as typical values. They are valid for each instrument not only on delivery but also for the whole guarantee period.

1. SPECIFICATIONS OF THE SELECTIVE LEVEL METER AT-463

(dBm-calibration)

When not otherwise stated, the values are valid for the permissible AC line voltage range or for the permissible battery charge; and for the given nominal operational temperature range directly after switching on.

1.1. Frequency

Frequency range, coaxial Z = 75 Ω . . . . . 6 kHz to 18.6 MHz
balanced Z = 124 Ω . . . . . 60 kHz to 10 MHz
balanced Z = 135 Ω . . . . . 6 kHz to 300 kHz

Frequency adjustment, coarse . . . . . 1 MHz steps
fine . . . continuous interpolation of the 1 MHz steps
fixed . . . . . max. of 3 pilot frequencies

Frequency indication . . . . . by mechanical counter
Scale division spacing of the last digit wheel . . . . . 200 Hz

Max. frequency error at + 20 °C
for multiples of 10 kHz and
fixed pilot frequencies . . . . . $\pm 3 \times 10^{-6} \pm 30$ Hz

for any frequency after calibration
at the nearest 10 kHz marker . . . . . ± 500 Hz

Mean temperature coefficient within the operational ambient temperature limits as referred to + 20 °C
for multiples of 10 kHz . . . . . $\leqq \pm 3 \times 10^{-7}$/°C
for fixed pilot frequencies . . . . . $\leqq \pm 3 \times 10^{-7}$/°C ± 3 Hz/°C
for any frequency without re-
calibration at the nearest 10 kHz marker . . . . . ≦ ± 100 Hz/°C

1.2. Level Indication

with automatic amplitude calibration (0 dBm = 1 mW into Z)

Measuring ranges for 0 dBm meter reading . . . - 80; - 78; - 76; ... + 26 dBm

Logarithmic meter scale
Range x 1 . . . . . - 2.2 dBm to + 0.3 dBm
Range x 10 . . . . . - 22 dBm to + 3 dBm

Lowest readable level difference in 2 dBm range . . . . . 0.02 dB

Accuracy of the input level meter reading

Accuracy at 0 dBm in the + 10 dBm range and at + 20 °C
Input Z = 75 Ω, f = 20 kHz to 6 MHz . . . . . ≦ ± 0.1 dB
f = 6 kHz to 18.6 MHz . . . . . ≦ ± 0.15 dB
Input Z = 124 Ω, f = 60 kHz to 10 MHz . . . . . ≦ ± 0.25 dB
Input Z = 135 Ω, f = 6 kHz to 300 kHz . . . . . ≦ ± 0.2 dB

Accuracy of the measuring range selector at f = 20 kHz to 18.6 MHz referred to + 10 dBm in ranges[5]

+ 18 to - 80 dBm . . . . . ≦ ± 0.05 dB
+ 20 to + 26 dBm . . . . . ≦ ± 0.08 dB

Meter scale division error in the "x 10" range referred to the 0 dBm scale marker . . . . . ≦ ± 0.3 dB

Meter scale division error in the "x 1" range as referred to the 0 dBm scale marker . . . . . ≦ ± 0.03 dB

Mean temperature coefficient within the operational ambient temperature range limits referred to + 20°C for a 0 dBm meter reading in extended range . . . . . ≦ ± 0.005 dB/°C

Instability of the meter reading in the "x 1 slow" position caused by superimposed noise at Z = 75 Ω

Range + 18 dBm to - 80 dBm . . . . . approx. ± 0.005 dB[4]
+ 26 dBm to - 20 dBm . . . . . approx. ± 0.015 dB

Max. meter deflection, with input vacant and Z_{in} = 75 to 135 Ω . . . - 102 dBm

1.3. Input Impedance

Coaxial . . . . . 75 Ω

Balanced . . . . . 124 and 135 Ω

Reflection coefficient[3]

Input Z = 75 Ω, f = 6 kHz to 18.6 MHz. . . . . ≦ 0.01
Z = 124 Ω, f = 100 kHz to 5 MHz. . . . . ≦ 0.03
Z = 135 Ω, f = 6 kHz to 300 kHz . . . . . ≦ 0.03[2]

Balance attenuation ratio[1]

Input Z = 124 Ω, f = 60 kHz to 10 MHz. . . . . ≧ 40 dB
Z = 135 Ω, f = 6 kHz to 300 kHz. . . . . ≧ 40 dB

Max. permissible input voltage (overload limit), RMS . . . . . 10 V

---

(1) The balance attenuation ratio is measured by placing a balance-choke parallel to the input of the level meter and connecting a signal generator via a resistor of $\frac{Z}{4}$ between the center tap of the choke and ground. The balance attenuation is then the level difference between that measured prior to the $\frac{Z}{4}$ resistor and that indicated at the level meter.

(2) The real value of the reflection coefficient is in the order of magnitude of 0.002.

(3) The measurement of the reflection coefficient is made unsymmetrically.

(4) Series A does not have the "x 1 slow" position. In the "x 1" position, the instability is approx. 0.015 dB in the measuring ranges of - 30 dBm and lower.

(5) An additional error of 0.02 dB can be encountered in the frequency range of 6 kHz to 20 kHz. In the "narrow" bandwidth position, the error will be reduced by 0.01 dB.
On remotely feeding the generator from the level meter and indicating the generator level on the level meter, the given error can be increased by
≦ 0.03 dB for frequencies of 30 kHz and greater
≦ 0.06 dB for frequencies of 20 kHz to 30 kHz
≦ 0.1 dB for frequencies of 6 kHz to 20 kHz

1.4. Selectivity, switchable

"BROAD"

3 dB bandwidth	2.3 kHz
Effective noise bandwidth	1.74 kHz
Attenuation at $\Delta f \geqq \pm 2$ kHz	$\geqq$ 30 dB
$\Delta f \geqq \pm 4$ kHz	$\geqq$ 60 dB

"NARROW"

3 dB bandwidth.	500 Hz
Effective noise bandwidth.	400 Hz
Attenuation at $\Delta f \geqq \pm 1$ kHz	$\geqq$ 30 dB
$\Delta f \geqq \pm 2$ kHz	$\geqq$ 60 dB

IF suppression	$\geqq$ 80 dB
Image rejection	$\geqq$ 80 dB

1.5. Intrinsic attenuation of distortion in low distortion position at an input level of $\leqq$ 20 dBm for 2nd and 3rd harmonics on increasing the sensitivity by 50 dB in comparision to the fundamental range,

$f \geqq 300$ kHz	75 dB
$f \leqq 300$ kHz	65 dB

Low distortion ranges . . . . . - 20, - 40, - 60 and - 80 dBm

1.6. Unbalanced outputs, loadable up to short circuit. Non-load voltage at a 0 dBm meter reading

DC output Bu 801 $Z_{out} = 10$ kΩ . . . . . + 6.3 V

Headset output (Meter and calibration cyele inoperative on inserting plug)
Bu 2601/2602 Z_{out} approx. 5 kΩ

SSB demodulation mode	approx. 500 mV
DSB demodulation mode	approx. 200 mV

Output Bu 2602 for the external control of the demodulator mode switch S 2601

Control output Bu 2401, $Z_{out} = 75\ \Omega$, U_{RMS} into 75 Ω . . . . . 40 mV
(carrier signal of 24 to 42,6 MHz for the control of the AT-462)

Control output Bu 2402, $Z_{out} = 75\ \Omega$, U_{RMS} into 75 Ω . . . . . 400 mV
(to supply the AT-462 with the 1 MHz standard frequency)

1.7. Permissible Ambient Temperature Ranges

Storage	- 40°C to + 60°C
Operational range limits	- 10°C to + 50°C
Nominal operating range	- 10°C to + 35°C

1.8. Power Supply

AC line operation	110 V to 127 V; 220 V to 240 V ± 10 %
Line frequency	45 to 65 Hz
Power consumption	approx. 17 VA
Battery operation with 6 internal Nickel-Cadmium accumulators 5/500 DKZ	
Operational period without recharging	approx. 5 hours
Duration of charge	approx. 14 hours

1.9. Other Data

Dimensions in inches (mm)	
Width (excluding handles)	17.5" (443)
Overall height	6.9" (176)
Depth (including handles)	16.0" (407)
Weight including batteries	39.6 lb (18 kg)

Subject to change without notice

2. OPERATION

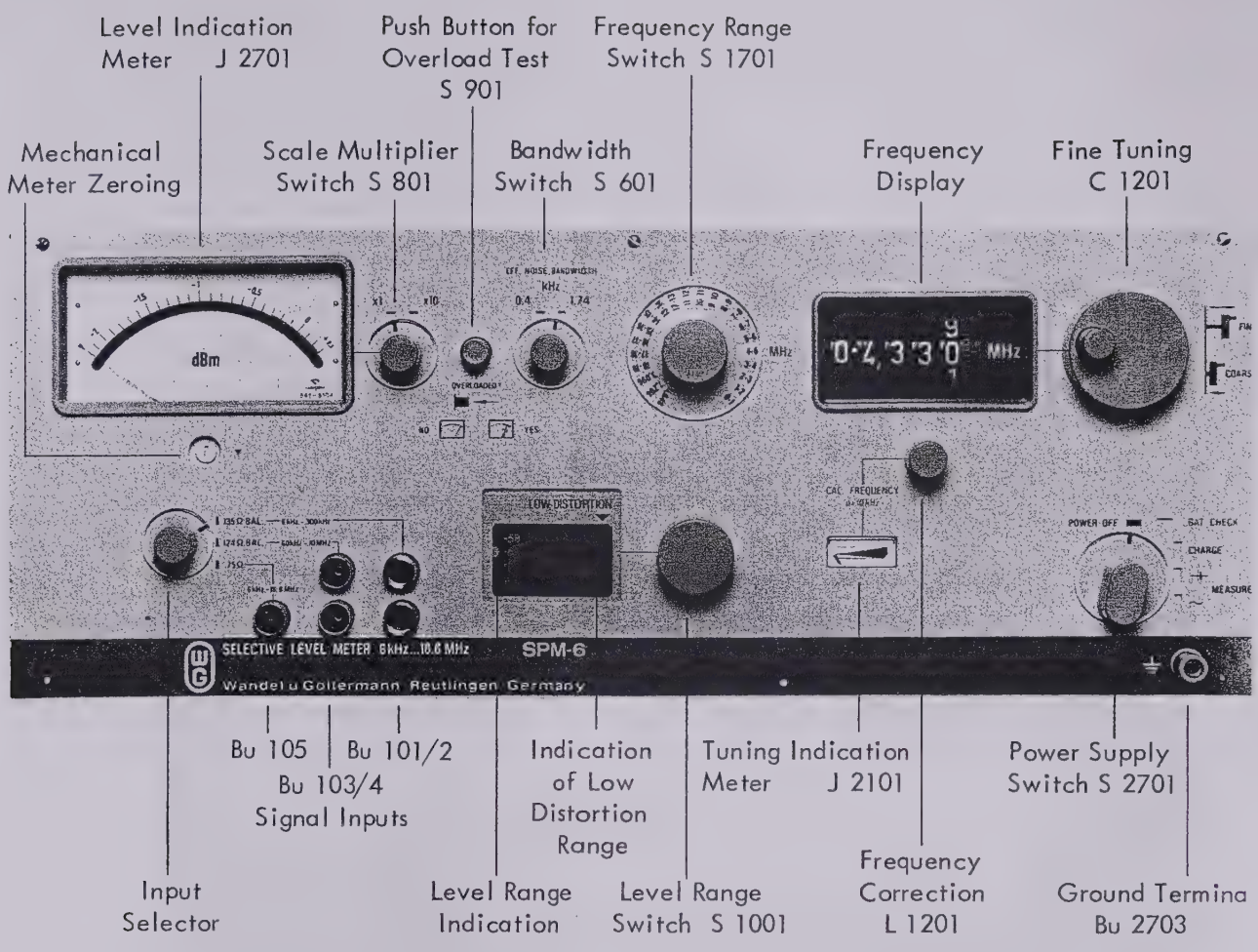

Level Indication Meter J 2701
Push Button for Overload Test S 901
Frequency Range Switch S 1701
Mechanical Meter Zeroing
Scale Multiplier Switch S 801
Bandwidth Switch S 601
Frequency Display
Fine Tuning C 1201
dBm
SELECTIVE LEVEL METER 8kHz...10.6 MHz
SPM-6
Wandel u Goltermann Reutlingen Germany
Bu 105
Bu 101/2
Bu 103/4
Signal Inputs
Indication of Low Distortion Range
Tuning Indication Meter J 2101
Power Supply Switch S 2701
Input Selector
Level Range Indication
Level Range Switch S 1001
Frequency Correction L 1201
Ground Termina Bu 2703

Fig. 2-1

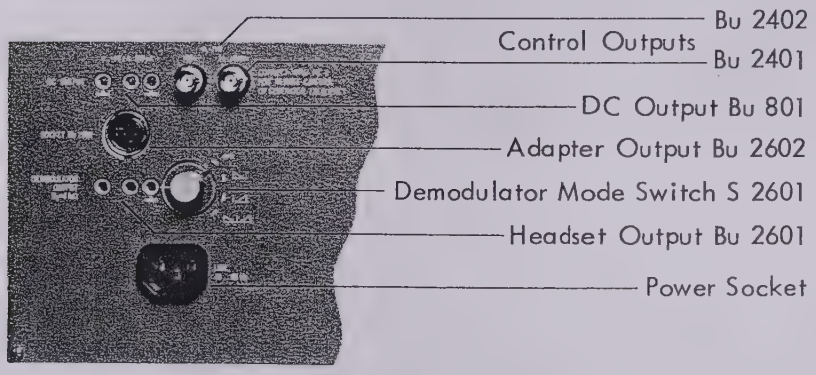

Bu 2402
Control Outputs
Bu 2401
DC Output Bu 801
Adapter Output Bu 2602
Demodulator Mode Switch S 2601
Headset Output Bu 2601
Power Socket

Fig. 2-2

2. OPERATION

2.1. Set-up of the Instrument

The Level Meter AT-463 has been especially designed for mobile operation and for a temperature range of -10 °C to +50 °C (14 °F to 122 °F).

The front panel controls are accessable after removing the protective cover.

The instrument can be operated with the front panel in a vertical or horizontal position. The operation is simplified, in some cases, if the feet at the base of the instrument are folded out and the instrument thus given a slight tilt. See Fig. 2-3

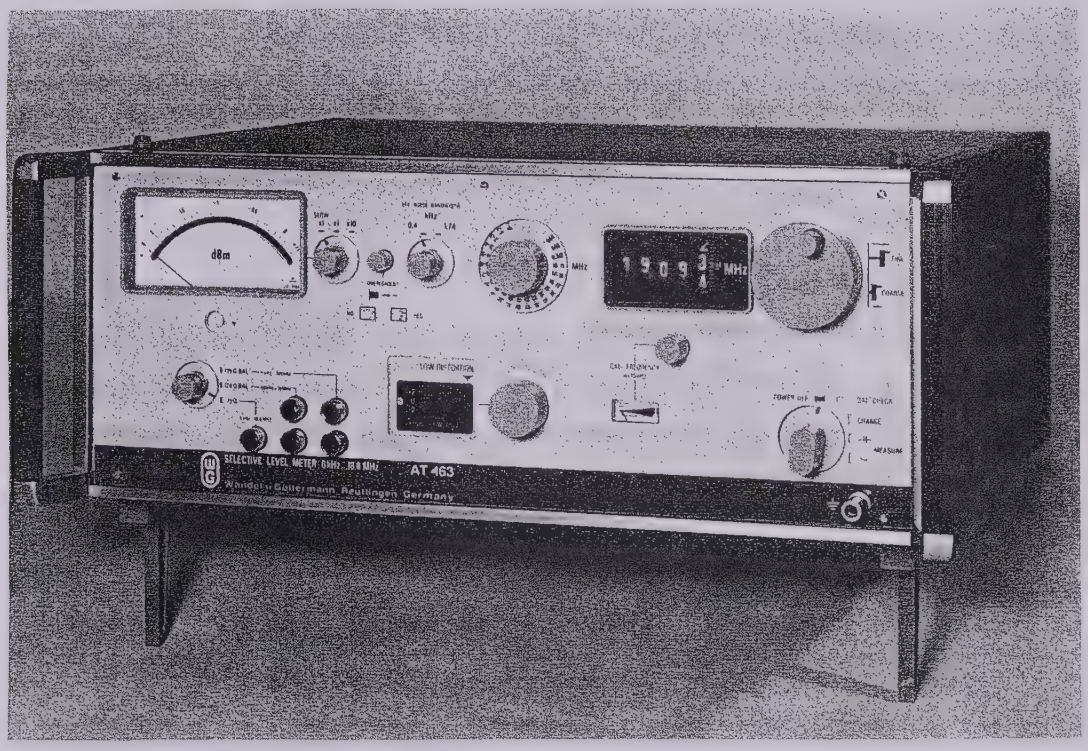


Fig. 2-3

Transport Instructions

If the AT 463 is to be transported or is mounted in a vehicle, the power supply switch S 2701 (see illustration on opposite page) should be placed to its "off" position to avoid damaging the meter during transit.

2.1.1. Controls

The control elements, displays and the input sockets for the measuring signal are arranged clearly on the front panel of the level meter. Additional sockets, AC power connection and the switch for the demodulator section are located on the rear panel of the instrument. The location of all controls, connectors, meters etc. on the front panel (above) and the rear panel (below), can be seen from the illustrations on the previous page.

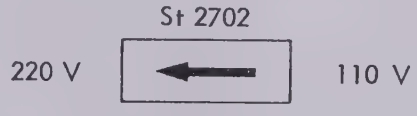
2.2. Connection and Preparations for Operation

2.2.1. Mechanical Zero

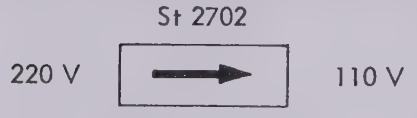
Before switching on the instrument, the mechanical meter zero "▼" of the level indicator J 2701 should be checked and, if necessary, reset.

2.2.2. Power Line Operation

The instrument is set in the factory for AC voltages in the range of 93 to 140 V and can thus be operated from AC sources of 110, 115, 120 and 127 V. If it is necessary to operate from AC source of 220 or 240 V, this can be made by the customer by tilting the hinged chassis upwards and re-plugging the AC voltage selector St 2702 which is then accessable (see internal view shown in Fig. 5-1).



range selected 198 to 264 V



range selected 99 to 140 V

The AC fuse (0.8 A slow blow) need not be exchanged when the AC voltage range is altered.

After the level meter has been set to the correct AC voltage, the instrument should be connected to the AC power line via the power cable supplied. The AC power socket is at the rear of the AT-463.

If the mode switch S 2701 set to the position " Measure ~ ", the instrument is operational at once with full accuracy.

2.2.3. Battery Operation

When delivered, the level meter is equipped with all necessary batteries. New nickel cadium batteries can be installed after the right hand cover has been removed (see illustration in the appendix).

2.2.3.1. Battery check

Before making measurements during battery operation the battery charge should be checked by placing the mode switch S 2701 to "Bat. check". The indicator J 2701 now indicates the battery voltage. As long as the needle is within the blue range of the meter, the battery is sufficiently charged. It should be noted, however, that the voltage drops slightly during the first 10 minutes of battery operation. If the needle indication does not reach or hardly reaches the marked range, the battery should be recharged.

If the battery voltage is too low, the indicated voltage may fluctuate during the battery check, since a circuit protecting the instrument against excess discharge will actuate. This then causes the instrument to be automatically switched on and off.

2.2.3.2. Charging the battery

The mode switch S 2701 should be brought to the position "Charge" and the level meter connected to the AC power line via AC connection socket St 2701. The charging period for a completely discharged battery is approximately 14 hours. This period may be exceeded by 10 hours. Continuous overcharging in excess of 10 hours, however, will damage the battery. It should be noted that batteries may only be charged in the ambient temperature range of 0 to +45 °C.

2.2.3.3. Measuring during battery operation; trickle charge

If the battery has been charged and if the mode switch S 2701 in the position "Measure ⊣⊢", the instrument is immediately operational just as during AC operation. If the battery has been fully charged, approximately 5 hours of operation are possible. The automatic excess discharge protection will disconnect the instrument at the moment

that the battery voltage drops below the lowest permissable value. In this way, errors in measurement and damage to the battery which could result from deep discharge are avoided. If the AC power line is connected whilst the mode switch is set to "Measure ⊣⊢", the power is taken from the AC line. Simultaneously the battery will be charged with a small current (trickle charge). Continuous trickle charging exceeding more than 100 hours at one time, will reduce the life of the battery and should therefore be avoided. Continuous AC operation of the instrument should therefore be made in the "Measure ~ " mode.

2.3. Measuring

The voltage to be measured is fed to the input of the level meter via a suitable cable. Even though two input connectors are available, only one of these should be used in order to avoid errors in the measurement due to cross-talk. The input impedance is linear even when the instrument is turned off. In this way, a possible influence upon the measuring object is avoided.
The connection via the AC line cable is not sufficient because the ground lead is connected via a resistor to the chassis.

2.3.1. Input Sockets, Input Impedances

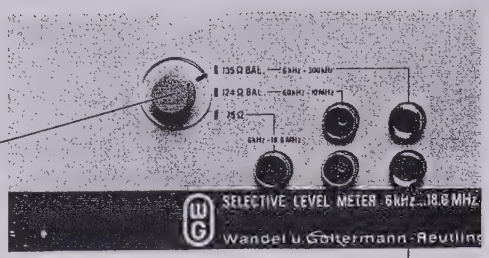
The instrument is equipped with three inputs corresponding to the different measuring tasks:

Bu 105	coaxial input 75 Ω, frequency range 6 kHz to 18.6 MHz
Bu 101 Bu 102	balanced input 135 Ω, frequency range 6 kHz to 300 kHz
Bu 103 Bu 104	balanced input 124 Ω, frequency range 60 kHz to 10 MHz

The power level calibration (dBm) always refers to the input selected.

Example:

Balanced measurement:
Input Impedance 135 Ω



2.3.1.1. Probe TK-9 (dB calibration: BN 265 Np calibration: BN 265/1)

The TK-9 is a passive probe with an attenuation of 20 dB (3 Np). The input capacity of the SPM-6 is reduced to approx. 15 pF with the aid of the probe. The input impedance amounts to approx. 5 kΩ. It is possible to measure voltages at almost inaccessable points without loading the test object with the cable capacity. Required switch position on the AT-463: Input selector switch = 75 Ω

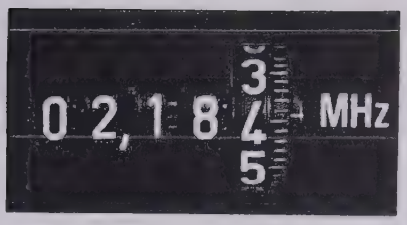
2.3.2. Selection of the Receiving Frequency

2.3.2.1. Continuously variable frequency tuning

The desired receiving frequency is set coarsely in 1 MHz steps with the aid of the frequency range switch S 1701 and is in addition continuously fine tuned with C 1201. The frequency selection can be made coarse (tuning knob depressed) or fine (tuning knob drawn forward). In order to obtain an overlap of the 1 MHz range, the tuning range of the fine frequency tuning is 1.1 MHz. The digital display will automatically correct for over-ranging at the upper limit of the fine tuning range. The last digits of the display have the value of n x 1 kHz. Additional sub-divisions with 200 Hz spacing make it possible to read frequency differences in the order of 100 Hz.

Example:

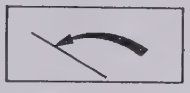
Selected frequency = 2.1839 MHz



2.3.2.2. Frequency calibration

In order to obtain a high accuracy of frequency tuning, the digital frequency display of the instrument can be checked in multiples of 10 kHz (0 as last digit) to a frequency spectrum with quartz crystal accuracy.

To calibrate the frequency the digital display is set to an accurate multiple of 10 kHz by means of the frequency fine tuning C 1201. Then the frequency correction L 1201 is tuned until the needle of the tuning indicator J 2101 reaches a minimum deflection at the left side of the scale.



The needle of the tuning indicator follows the vernier setting relatively slowly. However, if the pointer were to follow the indication rapidly on tuning the vernier and gave a very short minimum, the alignment could be erroneously made to a multiple of 5 kHz.

After the frequency scale has been calibrated, the frequency error of the setting is smaller than 500 Hz for frequencies ± 5 kHz above and below the selected calibration point. For all other frequencies the possible error in the display is approximately 1 kHz. This means that for most measurements, just one single calibration of the fine tuning at any one point of the scale is necessary.

2.3.2.3. Fixed frequencies

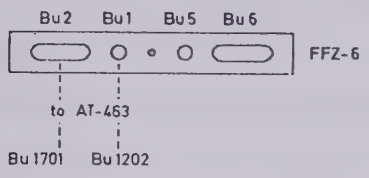
The last three positions of the frequency range switch S 1701 were provided for the tuning of the level meter to crystal controlled fixed frequencies. If one of the three positions is selected, the instrument will be ready to receive at the frequency shown on switch S 1701. The fine frequency tuning is in this case inoperative. This is indicated by covering the digital frequency display.

2.3.2.5. Fixed Frequency Accessory FFZ-6

This unit can be used with the Selective Level Meter AT-463, the Generator AT-462 or with the Level Measuring Set AT-462/AT-463. In this case it permits them to be tuned to any of 18 fixed frequencies with the aid of push-buttons, so that together with the three fixed frequencies provided in the basic AT-462 or AT-463 a total of 21 fixed frequencies are available. A second FFZ-6 may be connected in series with the first to extend the number of fixed frequencies available to a total of 39.

For operation the following cable connections and control settings are necessary:

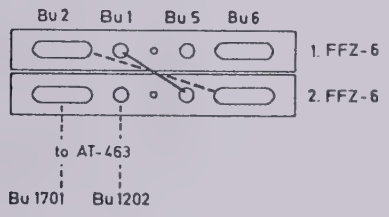
a) Operation with one FFZ-6



Connect Amphenol socket Bu 2 of the FFZ-6 with Bu 1701 of the AT-463 and coaxial socket Bu 1 of the FFZ-6 with Bu 1202 of the AT-463.

Set frequency range switch of the AT-463 in position "FFZ-6". Select the required frequency by depressing the corresponding push-button on the FFZ-6.

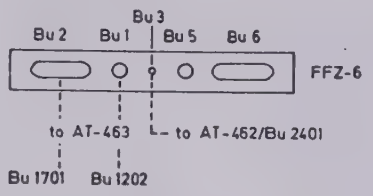
b) Operation with two FFZ-6 units



Connect socket Bu 2 of the first FFZ-6 with the socket Bu 6 of the second as well as Bu 1 of the first with Bu 5 of the second FFZ-6. Further connections and settings as described in a).

Within a push-button set only one frequency can be selected. If in a second set a push-button is also depressed then the frequency corresponding to the push-button which lies more to the right is selected. In this sense when two FFZ-6 units are connected in series, all the push-buttons in the second FFZ-6 are to be considered as lying to the right of those in the first. The second unit is therefore, electrically speaking next to the AT-463.

c) Operation with the Level Measuring Set AT-462/AT-463



In this mode, the FFZ-6 functions together with the AT-463 (see paragraph a).

The blanking of the Generator AT-462 during frequency change-over is effected through the cable-connection Bu 3 of the FFZ-6 with Bu 2401 of the AT-462.

Select the required frequency on the FFZ-6.

For operation of two FFZ-6 units with the Level Measuring Set AT-462/AT-463 the settings and connections are the same as mentioned in b).

2.3.2.4. Remote tuning of the Level Generator AT-462 (BN 340/2)

If the level meter is used with the Level Generator AT-462, a level measuring system is formed which can be utilized with great advantage if generator and receiver are synchronously tuned to the same frequency. In this mode of operation, the level meter takes over the frequency control of the generator. For this purpose two cable connections are necessary:

a) Connection of the control output Bu 2401 (24 to 42.6 MHz) of the AT-463 to the control input Bu 801 of the AT-462,

b) Connection of the control output Bu 2402 (1 MHz) of the AT-463 to the control input Bu 1901 of the AT-462.

The frequency range switch of the AT-462 should be set to position "Remote Control" In this manner generator and receiver are tuned to the frequency indicated on the AT-463.This is also the case if a fixed frequency is selected.

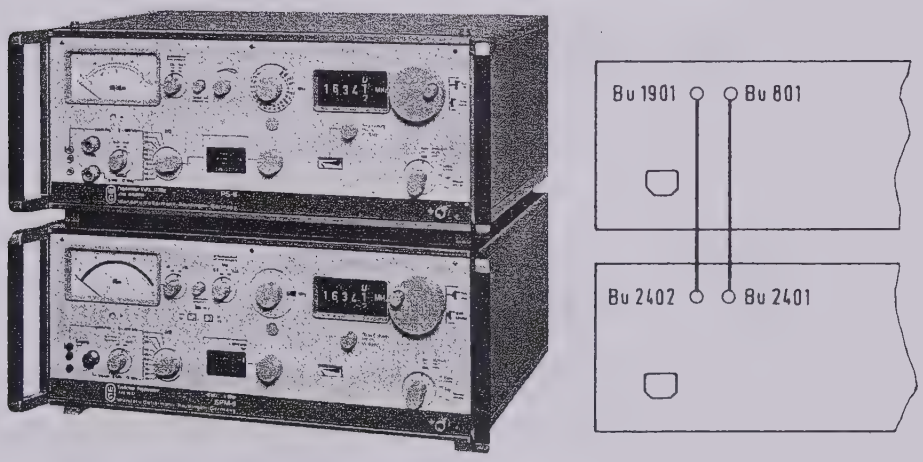


Fig. 2-4

2.3.3. Level Measurement

2.3.3.1. Meter level range and selection of the measuring range

In practice, two basically differing types of measurements have to be made:

1) Measurement of a signal, whose amplitude is of the same magnitude as the sum level present at the input of the level meter.

These are the most common level measurements, and are especially useful for those measurements which are to be made at the highest degree of accuracy. The indicating

meter J 2701 would, in this case, generally be used in the 2 dBm range (scale range switch S 801 in the left " x 1 " position).

The level range switch S 1001 selects, in steps of 2 dBm, the range in which the meter indication can be most easily read. An advantage is, in this case, that the reading accuracy is constant over the whole meter range because of the linear attenuation scale of the instrument.

Naturally one can also select the 20 dBm range of the instrument for rough measurements (switch S 601 switched to the right "x10" position).

The level measured is then the sum of the value set on the level range switch S 101 and the level read on the meter J 2701 after considering the setting of the scale range switch S 801.

Examples: a) Selected sensitivity	- 60 dBm
Meter change-over switch "x 1"	
Meter reading - 0.5 (- 0.05)	- 0.5 dBm
Measured level	- 60.5 dBm
b) Selected sensitivity	- 60 dBm
Meter change-over switch "x 10"	
Meter reading -0.5 (- 0.05)	- 5 dBm
Measured level	- 65 dBm

2) Measurement of a signal whose amplitude is considerably (e. g. more than 50 dBm) smaller than the sum-level present at the input of the level meter.

This would include measurements such as determination of the distortion factor, measurements of intermodulation products, noise measurements on carrier systems in operation etc.

These measurements are made in the measuring range of 20 dBm of the level J 2701.

It should be remembered that in this type of measurement the level meter is saturated by the much larger sum signal which is present in addition to the signal to be measured and can cause measurement errors. Therefore, one should preferably make the described measurement in the low distortion ranges. These are indicated by a green area shown in the indicator window marked "Low Distortion". A check of whether an over-

driving of the instrument is producing measurement errors can be easily carried out with the overload check facilities of the AT-463.

2.3.3.2. Overload test

In order to test if an overdrive on the input is producing measurement errors, the push-button for overload test S 901 should be depressed. If the pointer of the level meter remains constant, the measurement is correct. However, if the pointer fluctuates back and forth slightly in a 1 Hz rhythm, the level indication is in error. The signal drive of the level meter must then be reduced by decreasing the sensitivity with the level range switch S 1001 to the point where the overload test shows an error-free indication.

As already mentioned, one should preferably seek the "Low Distortion" level positions which are marked by the green indication.

2.3.4. Bandwidth

The bandwidth of the instrument can be switched by means of switch S 601 from wide (effective noise bandwidth 1.74 kHz) to narrow (effective noise bandwidth 400 Hz) depending on the measurement problem in hand.

The wider bandwidth would be used to locate unknown receiving frequencies and to work in conjunction with the demodulator outputs, whereas the narrower bandwidth offers advantages if, for instance, closely spaced signals or noise sources are to be analyzed.

When switching the bandwidth from 1.74 kHz to 400 Hz, it may, at times, be necessary to retune the receiver with the fine frequency tuning C 1201. This is not necessary if the generator is being remotely tuned (see also 2.3.2.4.).

2.4. Demodulator Circuit

The demodulator circuit allows the demodulation of amplitude modulated signals. The signal is then available at the headset output Bu 2601 (at the rear of the instrument).

The demodulation mode is selectable by means of switch S 2601. Its functions are:

"Off"	Circuit inoperative
	Demodulation of the lower sideband (inverted position)
	Demodulation of the upper sideband (conventional position)
	Double sideband demodulation

If the level meter is tuned to the suppressed carrier during the reception of a single sideband signal, the receive frequency must be detuned by 1.35 kHz to obtain correct demodulation.

For (lower sideband)	Detune the interpolation oscillator C 1201 by -1.35 kHz
For (upper sideband)	Detune the interpolation oscillator C 1201 by +1.35 kHz.

The demodulator circuit is operational only if a headset is plugged into the headset output Bu 2601. If the demodulator mode switch is in one of the three operating modes, the automatic calibration and the meter J 2701 of the instrument are disconnected in order to avoid measurement errors.

2.4.1. Remote Control of the Demodulator Circuit

If it is desired to control the demodulator attachment from the front panel, as for instance in the case of rack mounting, the control action of the switch S 2601 can be duplicated via the adapter output Bu 2602 and a headset can be connected. In this case it should be noted that the demodulator mode switch S 2601 of the instrument must be in the position "Off".

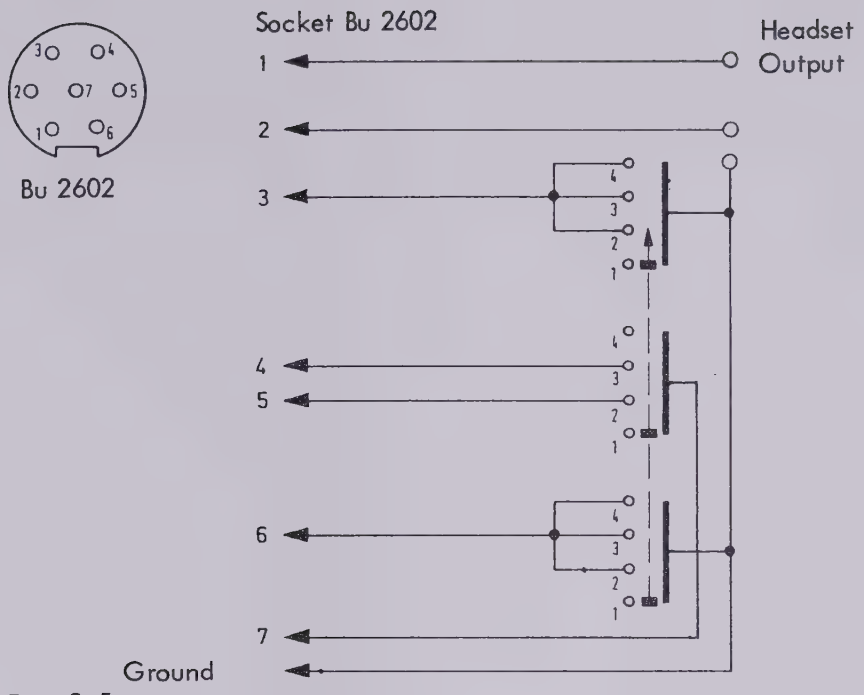


Fig. 2-5

2.5. DC Output

The output Bu 801 provides a DC voltage proportional to the meter reading of J 2701. Depending on the pointer position, this voltage amounts to 0 to 7,2 V at a source impedance of 10 kΩ. Since, due to its automatic calibration, this instrument possesses an extremely high gain stability, the DC output is especially suitable for continuously monitoring signals by means of strip chart recorders, oscilloscopes or similar instruments.

The output socket Bu 801 is connected in such a manner that the + pole is found in the center at point a, whereas b and c are grounded.

3. TECHNOLOGICAL INSTRUCTIONS

3. TECHNOLOGICAL INSTRUCTIONS

3.1. Level Measurements on High-loss Test Objects

When making level measurements on high-loss four-poles, the transfer impedance between the generator and receiver of the measuring set introduces certain problems. Measuring instruments with built-in batteries, as the case with the Level Measuring Set AT-462/AT-463, have a noticeable advantage in this respect.

If the ground connections from the generator to the test object and from there to the receiver were ideal (i.e. non-resistive), or the transfer impedance between generator and receiver infinitely great, the measuring accuracy at any high-attenuation values would be only in the order of the accuracy of generator and receiver or dependent on the sensitivity of the latter.

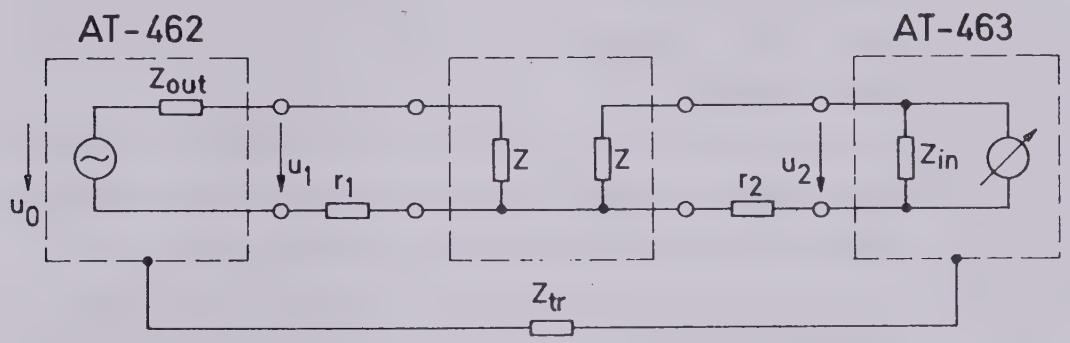


Fig. 3-1

This problem is illustrated in Fig. 3-1. A four-pole, with infinite attenuation is used as the test object. Z_{tr} is the transfer impedance, r_1 and r_2 are the unavoidable ground lead resistance [1] which may be complex, as is also the case with Z_{tr}. A voltage between the generator and receiver cabinets is caused by the voltage drop produced

---

[1] The resistance of coaxial cables and plugs etc., mentioned here as r_1 and r_2, are defined in the following manner:

$$\text{Resistance} = \frac{\text{Voltage drop on the outside of the outer conductor}}{\text{Current on the inside of the outer conductor}}$$

or

$$\text{Resistance} = \frac{\text{Voltage drop on the inside of the outer conductor}}{\text{Current on the outside of the outer conductor}}$$

by the generator current across r_1. If the transfer impedance Z_{tr} is finite, a signal current will flow via r_2 which will cause a signal voltage at the receiver input thus simulating a finite attenuation of the test object.

If it is assumed that r_1 and r_2 are small in comparison to Z_{out}, Z_{in}, Z and Z_{tr}, a simple calculation is given by:

$$\frac{u_2}{u_o} = \frac{r_1}{Z_{out} + Z} \times \frac{r_2}{Z_{tr}} \times \frac{Z_{out}}{Z_{out} + Z}$$

If $Z_{out} = Z_{in} = Z$, the effective attenuation $a = 20\ dB \times \log_{10} \left| \frac{u_o}{2\ u_2} \right|$ is obtained as $a = 20\ dB \times \log_{10} \left| \frac{2 \times Z \times Z_{tr}}{r_1 \times r_2} \right|$

This attenuation must therefore be approximately 60 dB greater than the attenuation to be measured in order to obtain a maximum error of 0.01 dB (approx. 40 dB for 0.1 dB). This is true if the most unfavourable phase angle between the measuring and the error voltage is assumed.

The transfer impedance Z_{tr} consists of several components; these are the capacitance between the two instruments, the capacitance to ground of both units as well as the impedances caused by the remote-control and power supply cables.

The coaxial input sockets for the remote control connection (Bu 801 and Bu 1901) are isolated from the cabinet of the AT-462; the outer conductor of Bu 801 however is connected via a resistor of 100 Ω to the chassis, which means that the value of Z_{tr} amounts to at least 100 Ω during remote-control operation. This DC value is maintained also during AC line operation because the cabinets (chassis) of both instruments have been carefully isolated from the protective ground connection which is only connected to the protective screening of the power transformer.

As a result of these measures, the value of Z_{tr} does not fall below 40 Ω during remote-control operation. If resistance values of 10 mΩ are assumed for r_1 and r_2 - which is the value obtained with a good double-screened coaxial cable of 50 cm in length - an attenuation of 156 dB can be calculated at Z = 75 Ω for the arrangement shown in Fig. 3-1.

If the Measuring Set AT-462/AT-463 is operated in its highest attenuation position of

93 dB (Generator level + 1 dB, receive level - 92 dB), the value of 156 dB, calculated assuming the previously measured practical resistance values, leads to an additional error of maximum 0.01 dB.

If high-quality cables are not available - single screened cables offer resistance values of 50 to 200 mΩ per metre - or if longer cables can not be avoided, this battery-operated measuring set allows the transfer impedance between generator and receiver to be improved by increasing the distance between the two instruments and by dispensing with the remote-control of the generator frequency. The transfer impedance is then only given by the capacity - 30 pF at a spacing of 30 cm - between the two instruments. This capacitance will cause, however, a series resonance with the unavoidable inductance of the loop formed by the measuring cables, but the resonant frequency is in excess of 20 MHz with a cable length of approx. 1 m so that the expected impedance of 260 Ω at 20 MHz (corresponding to 30 pF) is only reduced to 130 Ω. It is thus possible to replace Z_{tr} over the whole frequency range with the impedance of a capacitance of less than 60 pF.

It should be mentioned that the advantages of battery operation are also present if only one of the measuring instruments AT-462 or AT-463 are available. Even when the Generator AT-462 or Receiver AT-463 is operated in conjunction with any grounded measuring instrument, the transfer impedance will be reduced to the impedance value of a capacitance with less than 100 pF.

4. DESIGN DETAILS AND CHARACTERISTICS

4. DESIGN DETAILS AND CHARACTERISTICS

The Level Meter AT-463 is a multi-conversion superhet receiver with four intermediate frequencies (see figure 4-1). The last IF frequency is 10 kHz; the main amplification and selection is made at this level. The 10 kHz signal is rectified and processed in a 2 dB or 20 dB logarithmic amplifier. The result is indicated on a moving coil meter, parallel to which an isolated DC output is made available. Modulated single or double-sideband signals are audible at the demodulator output. At two other sockets, signals are available for the remote control of the frequency of the AT-462 generator.

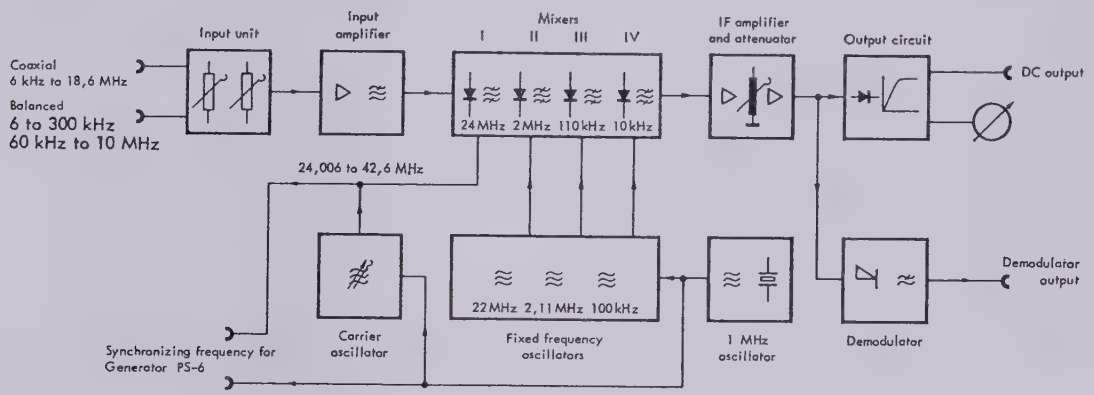


Fig. 4-1 Simplified block diagram

The high level measuring accuracy is obtained by means of an automatic level calibration. This device checks the gain of the instrument over a short period of time (1 Hz cycles) at the selected frequency as well as in the attenuator range used, and corrects the level if necessary. The overload test button provides a fast and easy method of checking the indicated level for overload conditions, which could cause measurement errors when the input of the instrument is connected to greatly differing levels of various frequencies.

4.1. Automatic Level Calibration

By means of the automatic level calibration (Fig. 4-2), the long-term stability of the level measurement is made equal to the accuracy of the built-in calibration standard, which is governed by a silicon reference element. The frequency response of the whole instrument is determined by the frequency response of the calibration

standard. The attenuator errors are reduced to the error of the ratio transformers in the IF attenuators. The automatic calibration facility greatly simplifies the operation of the level meter.

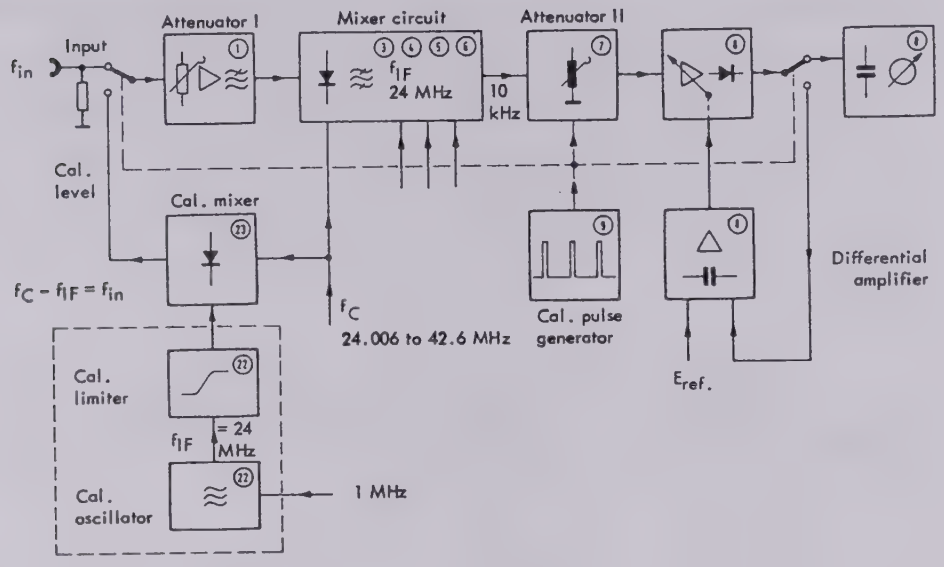


Fig. 4-2 Automatic level control

The frequency of the calibration level generator (calibration standard) is obtained by converting the carrier frequency f_C with the aid of the output signal of the phase locked calibration oscillator f_{IF} = 24 MHz. In this manner the calibration frequency is always equal to the tuning frequency. A calibration cycle generator switches periodically for approximately 1 second to "measure" and for approximately 0.1 second to "calibrate". The calibration signal is fed to the input of attenuator I so that its attenuation error and its frequency response error are also eliminated. During the calibration cycle, the very accurate ratio transformer type attenuator II is simultaneously switched, depending on the position of attenuator I in such a manner that the total sensitivity of the instrument during calibration is always constant and independent of the position of attenuator I. The demodulated, amplified and rectified calibration signal is compared to the highly stable reference signal U_{ref}. When a deviation is noted from the nominal gain as a consequence of errors in the attenuator I and frequency response errors, an amplification correction is made by means of a variable gain amplifier. The gain setting remains constant during the next measuring period, while the ratio transformer type attenuator II automatically switches back to

that position corresponding to the manually selected sensitivity setting of the instrument. The error which may result in the nominal gain because of the switching between "calibrate" and "measure" can be neglected for all practical purposes because of the high accuracy of the attenuator II. During the short calibration period a storage circuit holds the level indication at the value of the previous measuring cycle so that the indication is not disturbed during the calibration cycle.
An equivalent load is connected to the input of the instrument during the time of calibration, so that the reflection coefficient of the input termination does not change during the calibration cycle.

4.2. Overload Test

When the overload test button is depressed the gain is increased by approximately +1 dB at the input of the level meter at the commencement of the next calibration cycle. Its influence on the gain is corrected at once in the 10 kHz amplifier during the same calibration cycle, so that the total amplification remains constant. Input amplifier and mixer, however, are driven by a level which is 1 dB larger. If the instrument is working linearly the level indication will not change during the next measuring cycle. However, if the instrument is overloaded the level indication will rise. If the button is only briefly depressed, the test will be made during the next measurement cycle. However, if the button is held down, the test is made during every second measuring cycle. Therefore, any overload is indicated as a periodical fluctuation in a two cycle rhythm.

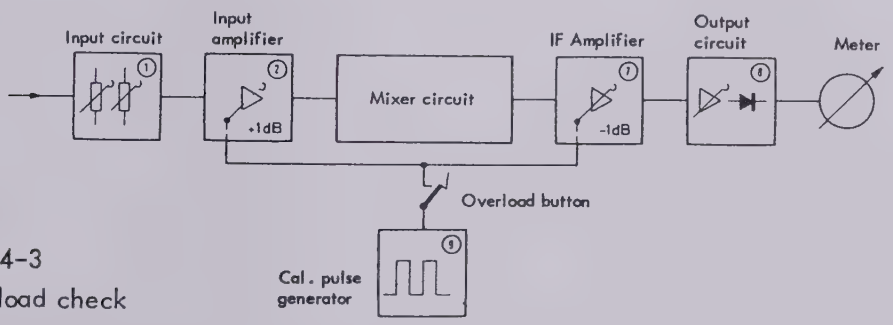


Fig. 4-3
Overload check

4.3. Frequency Generation

The fixed frequencies of 22 MHz, 2.11 MHz and 100 kHz of mixers II, III and IV, i.e. (4), (5) and (6) of the mixer circuit (Fig. 4-1) are derived from the 1 MHz crystal oscillator (11) by frequency division and multiplication.

Generation of the carrier frequency

The carrier frequency f_C for the control of mixer I must be tunable in the range of 24 to 42,6 MHz. f_C is derived as the sum of the continuously variable interpolation oscillator frequency f_L (12) (Fig. 4-4) and the frequency f_I of the crystal-controlled phase-locked oscillator (14), which can be switched in 1 MHz steps.

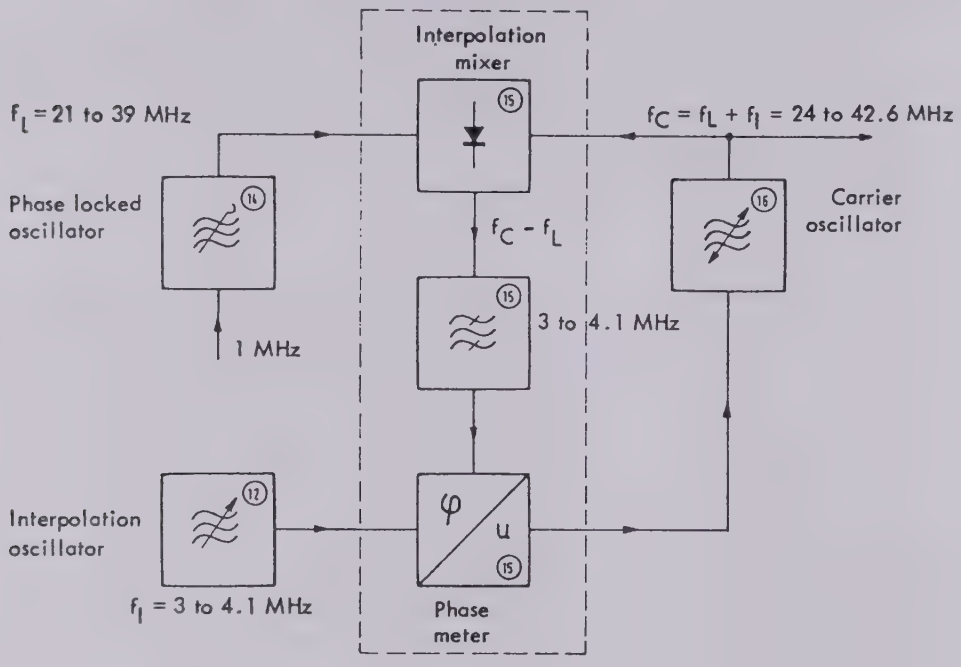


Fig. 4-4 Carrier frequency generation

The interpolation mixer (15) produces a difference frequency $f_C - f_L$. A phase measuring circuit compares it with the frequency f_I of the interpolation oscillator. The output voltage of this phase meter controls the frequency f_C of the carrier oscillator in such a manner that $f_C = f_L + f_I$. By means of a tuning indicator the frequency of the interpolation oscillator f_I can be checked and if necessary reset in multiples of 10 kHz by comparison against a 10 kHz spectrum which has also been derived from the 1 MHz crystal oscillator.

The tuning frequency selected is displayed on a five digit digital display. The first two digits are mechanically coupled with the steps of the phase locked oscillator (frequency range switch); the last three digits are set with the aid of the interpolation oscillator tuning (fine tuning of the frequency).

In addition the frequency range switch has three positions where (on request) three fixed frequencies can be selected. Any frequencies within the frequency range of 6 kHz to 18,6 MHz can be chosen. In these switch positions, the interpolation oscillator is replaced by quartz crystal oscillators.

5. MAINTENANCE AND GENERAL INFORMATION

5. MAINTENANCE AND GENERAL INFORMATION

Caution: The AC line plug should be disconnected from the AC line before opening the instrument.

5.1. Mechanical Build-up

The cabinet dimensions correspond to the American standards RETMA and ASEC 839 as well as to the new German Industrial Standard DIN 41 494. It is thus suitable for installation in a 19" rack. The cover, lower, rear and side panels are manufacutred from aluminum plate which is plastic covered on the outer surface. These panels are removed by releasing the corresponding screws on the rear panel and drawing to the rear. The switches and circuitry are then easily reached. The upper portion is constructed in the form of a hinged chassis to allow access to the sub-units located in the middle of the instrument. This hinged chassis can be swung-out after releasing two screws and the drive coupling. It may be necessary to completely remove the hinged chassis to exchange components. This is achieved by removing two "subminax" plugs, a multipole Amphenol plug and the right-hand mounting (hinge).

5.2. Switch Maintenance

The only maintenance required to avoid mechanical deterioration of the multi-position switches is for the notches to greased at regular intervals.

5.3. Fuse Replacement

The AC line fuse Si 2701 is acessable after opening the hinged chassis (see Fig. 5-1). The 0.8A slow-blow fuse is required for all AC line voltages.

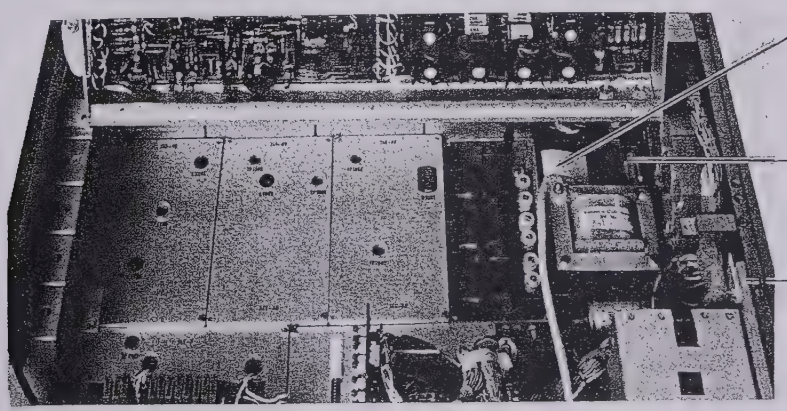


Fig. 5-1

The fuse Si 2501 in the voltage stabilizer is accessable after removing the right-hand side panel.

5.4. Exchanging the Batteries

The internal bateries are maintenance-free; they are made up of 6 nickel-cadmium cell units placed in series and have a charge capacity of 500 mA/h. Each battery consists of 5 cells which are held together with shrunk plastic tubing.

If it is desired to remove the batteries, for instance during continuous AC line operation, it will be necessary to remove the right-hand side panel (after releasing two screws on the rear panel). The batteries can now be removed with the aid of the straps provided for this purpose.

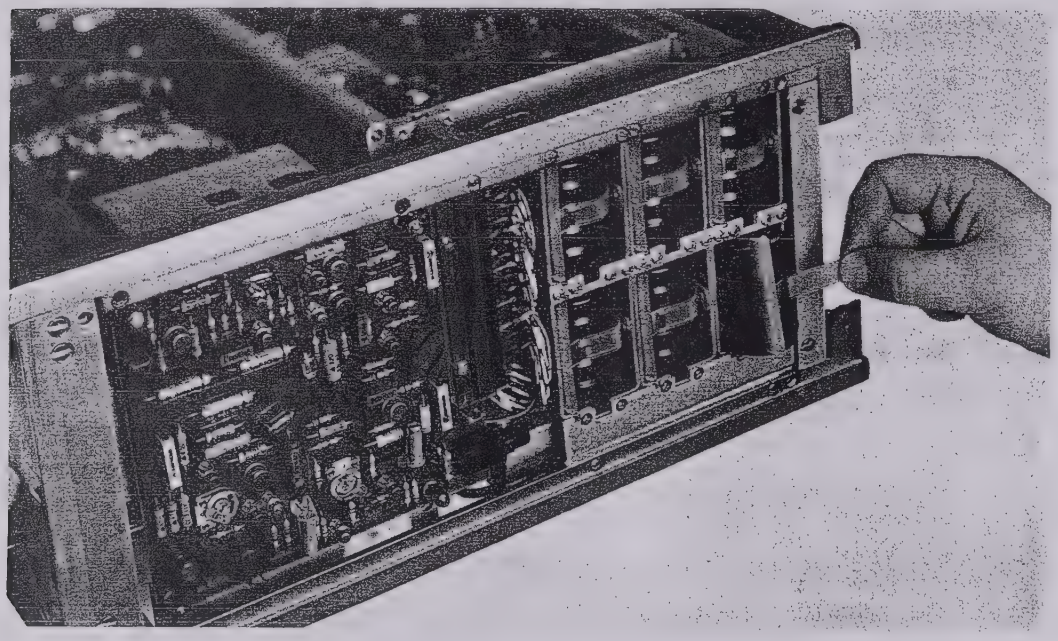


Fig. 5-2

5.5. Universal Socket

The coaxial input and the control output to the AT-462 are equipped with the new 75 Ω universal socket manufactured by Wandel u. Goltermann. This has the advantage of allowing the mentioned connection sockets on the measuring instrument to be rapidly

modified without the need of soldering. The required socket conversion piece is screwed into the universal socket with the aid of the mounting spanner (Order No. W 1).
The following conversion pieces are available:

Universal socket | Lemo | BNC | 1,6/5,6 | 2,5/6 | 1,6/10 | Western Electric 558 A

Fig. 5-3

5.6. Mounting the Instrument in a 19" Rack

When the instrument is to be mounted in a 19" rack, the total front panel width can be increased to fit the rack by exchanging the side pieces of the cabinet frame.

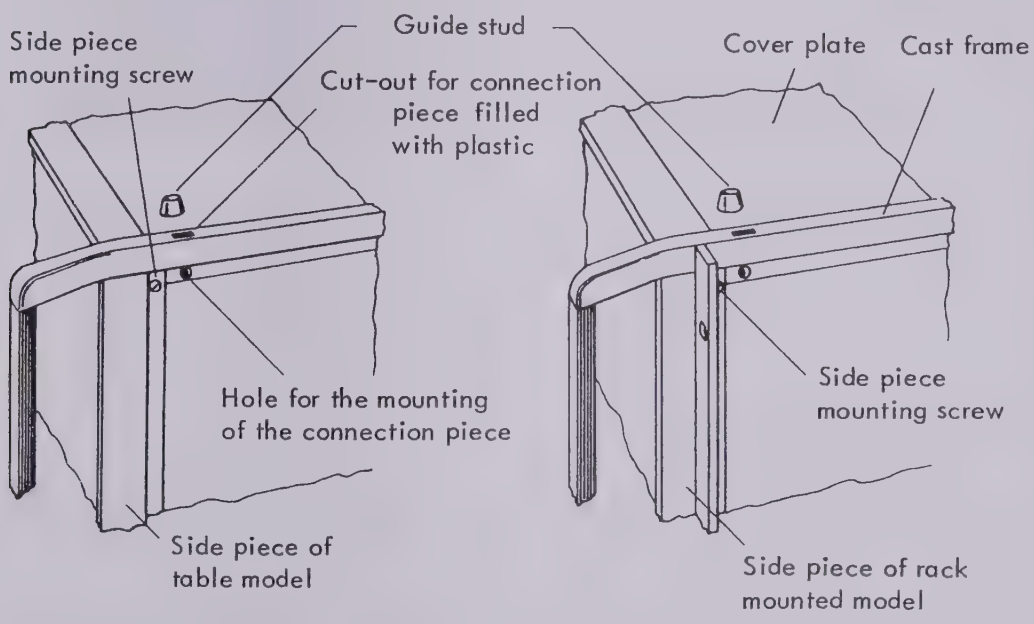

Side piece mounting screw
Guide stud
Cut-out for connection piece filled with plastic
Cover plate
Cast frame
Hole for the mounting of the connection piece
Side piece mounting screw
Side piece of table model
Side piece of rack mounted model

Fig. 5-4 Exchanging the side pieces of table of rack mounted model

To do this, it is necessary to remove the side panels of the instrument. The "side pieces for the table model" are now replaced by the 19" mounting brackets available under order number 00-0404.07/4.

The foot pieces and guide studs can be removed after removing the cover and lower panel. The side panels, the cover and the lower panel should be now remounted.

5.7. Joining of Several Instruments

The new cabinet conception allows the mounting of several instruments an another. These instruments are firmly mounted together by means of special connection pieces with the order number 00.0400.06/5.

To do this, it is necessary to remove the cover of the lower instrument as well as the lower panel of the upper instrument and the side panels of both. The small plastic pieces in the frame cut-outs are now pushed out. This is valid both for the four cut-outs of the upper frame and the four cut-outs of the lower frame.

The 4 connection pieces are placed into the cut-outs of the lower instrument as shown in Fig. 5-5 and are screwed firmly into place. After removing the guide stud from the cover and the foot pieces from the lower panel, both panels should be replaced.

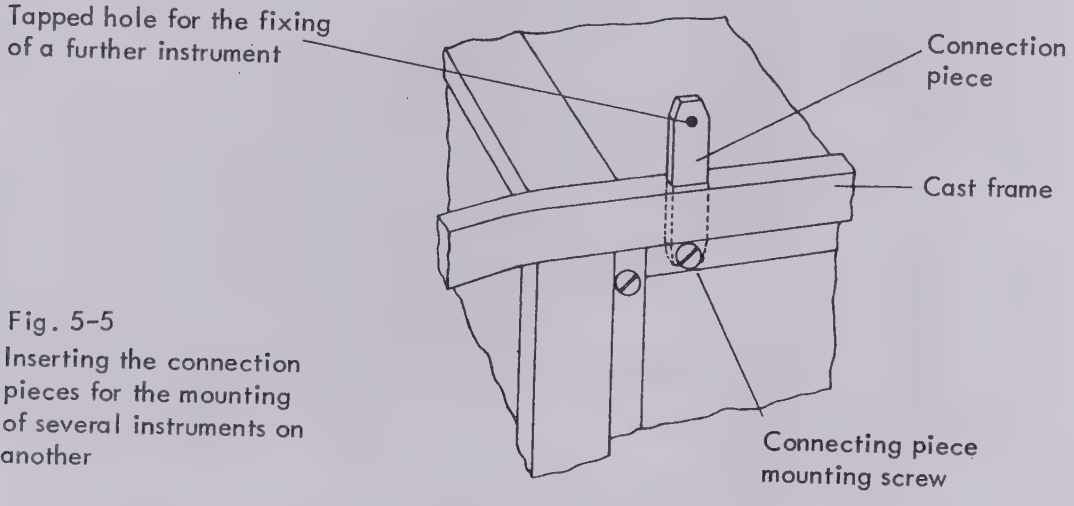


Fig. 5-5
Inserting the connection pieces for the mounting of several instruments on another

The instruments are now placed above each other so that the connection pieces mounted in the frame of the lower instrument pass through the frame cut-outs of the upper instrument. After firmly screwing the upper instrument to the connection pieces, the side panels should be replaced.

5.8. Installation and Removal of the Fixed Frequency Oscillators (Pilots)

The AT-463 is prepared for the subsequent addition of fixed frequencies. Since the phase-locked oscillator remains in operation when fixed frequencies are used and only the interpolation oscillator is replaced by a crystal oscillator, the latter must oscillate, corresponding to the required frequency, in the range of 3 to 4 MHz. The receive frequency results as the sum of the phase-locked and the fixed frequency minus the 1st IF of 24 MHz.

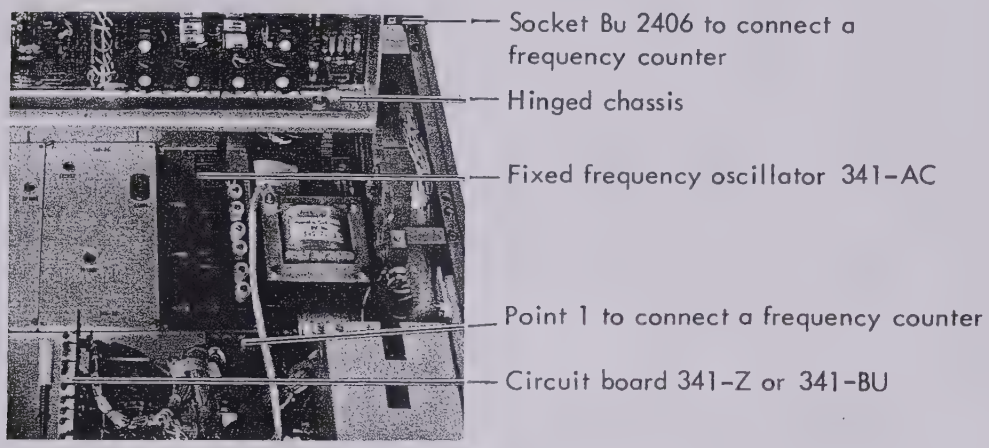

Socket Bu 2406 to connect a frequency counter
Hinged chassis
Fixed frequency oscillator 341-AC
Point 1 to connect a frequency counter
Circuit board 341-Z or 341-BU

Fig. 5-6

The following operations must be carried out for the subsequent installation or modification:

1. Insert crystal
2. Prepare frequency range switch
3. Tune oscillator

To 1: The fixed-frequency oscillators (13) are accessable after removing the instrument cover and opening the hinged chassis. The fixed-frequency oscillators I, II or III can now be equipped with the required crystal in the range of 3 to 4 MHz.

To 2: The frequency range switch (17) should be bridge-connected so that the phase-locked oscillator (14) and the fixed frequency oscillator supply a frequency 24 MHz higher than the receive frequency.

To do this, it is necessary to solder two bridges on the circuit board 341-Z or 341-BU.[+)]

Examples:

Required fixed frequency:	a) Pilot I = 1.364 MHz	b) Pilot II = 11.096 MHz
Pilot crystal frequency		
f_Q = 3 MHz + decimal points of the pilot frequency in MHz	= 3.364 MHz	= 3.096 MHz
Phase-locked oscillator frequency		
$f_{PL} = f_{rec} + f_{1st\ IF} - f_Q$	= 22.0 MHz	= 32.0 MHz

f_{PL} = phase-locked oscillator frequency, f_{rec} = receive pilot frequency
$f_{1st\ IF}$ = 24 MHz, f_Q = crystal frequency of the pilot.

	on circuit board 341-Z	on circuit board 341-BU
The following bridges should be made :	a) c - i and z - ad	v - d and u - b
	b) e - h and x - ah	x - p and w - L

The following tables list the frequencies and the corresponding bridges to be soldered.

Table 1: For instruments up to 17 MHz (Series A BN 341 and BN 341/1)

Table 2: For instruments up to 18,6 MHz (Series A BN 341/2, Series B: all instruments).

To 3: After having connected the bridges according to Tables 1 and 2, it is only necessary to align the fixed-frequency oscillators.

[+)] Series A: BN 341 and BN 341/1: Circuit board 341-Z
Series A: BN 341/2 and Series B: All instruments: Circuit board 341 - BU

Table 5-1

Pilot frequencies	Phase-locked frequencies	Pilot I	Pilot II	Pilot III
0 to 1 MHz	21 MHz	c - i and z - l	e - i and x - l	f - i and w - l
1 to 2 MHz	22 MHz	c - i and z - ad	e - i and x - ad	f - i and w - ad
2 to 3 MHz	23 MHz	c - i and z - ac	e - i and x - ac	f - i and w - ac
3 to 4 MHz	24 MHz	c - g and z - l	e - g and x - l	f - g and w - l
4 to 5 MHz	25 MHz	c - g and z - r	e - g and x - r	f - g and w - r
5 to 6 MHz	26 MHz	c - g and z - s	e - g and x - s	f - g and w - s
6 to 7 MHz	27 MHz	c - g and z - ab	e - g and x - ab	f - g and w - ab
7 to 8 MHz	28 MHz	c - h and z - l	e - h and x - l	f - h and w - l
8 to 9 MHz	29 MHz	c - h and z - ae	e - h and x - ae	f - h and w - ae
9 to 10 MHz	30 MHz	c - h and z - af	e - h and x - af	f - h and w - af
10 to 11 MHz	31 MHz	c - h and z - ag	e - h and x - ag	f - h and w - ag
11 to 12 MHz	32 MHz	c - h and z - ah	e - h and x - ah	f - h and w - ah
12 to 13 MHz	33 MHz	c - k and z - l	e - k and x - l	f - h and w - l
13 to 14 MHz	34 MHz	c - k and z - m	e - k and x - m	f - k and w - m
14 to 15 MHz	35 MHz	c - k and z - n	e - k and x - n	f - k and w - n
15 to 16 MHz	36 MHz	c - k and z - o	e - k and x - o	f - k and w - o
16 to 17 MHz	37 MHz	c - k and z - p	e - k and x - p	f - k and w - p

Table 5-2

Pilot frequencies	Phase-locked frequencies	Pilot I	Pilot II	Pilot III
0 to 1 MHz	21 MHz	v - d and u - c	x - d and w - c	z - d and y - c
1 to 2 MHz	22 MHz	v - d and u - b	x - d and w - b	z - d and y - b
2 to 3 MHz	23 MHz	v - d and u - a	x - d and w - a	z - d and y - a
3 to 4 MHz	24 MHz	v - d and u - ab	x - d and w - ab	z - d and y - ab
4 to 5 MHz	25 MHz	v - i and u - h	x - i and w - h	z - i and y - h
5 to 6 MHz	26 MHz	v - i and u - g	x - i and w - g	z - i and y - g
6 to 7 MHz	27 MHz	v - i and u - f	x - i and w - f	z - i and y - f
7 to 8 MHz	28 MHz	v - i and u - e	x - i and w - e	z - i and y - e
8 to 9 MHz	29 MHz	v - i and u - ab	x - i and w - ab	z - i and y - ab
9 to 10 MHz	30 MHz	v - p and u - n	x - p and w - n	z - p and y - n
10 to 11 MHz	31 MHz	v - p and u - m	x - p and w - m	z - p and y - m
11 to 12 MHz	32 MHz	v - p and u - l	x - p and w - l	z - p and y - l
12 to 13 MHz	33 MHz	v - p and u - k	x - p and w - k	z - p and y - k
13 to 14 MHz	34 MHz	v - p and u - ab	x - p and w - ab	z - p and y - ab
14 to 15 MHz	35 MHz	v - t and u - s	x - t and w - s	z - t and y - s
15 to 16 MHz	36 MHz	v - t and u - q	x - t and w - q	z - t and y - q
16 to 17 MHz	37 MHz	v - t and u - r	x - t and w - r	z - t and y - r
17 to 18 MHz	38 MHz	v - t and u - o	x - t and w - o	z - t and y - o
18 to 18,6MHz	39 MHz	v - t and u - ab	x - t and w - ab	z - t and y - ab

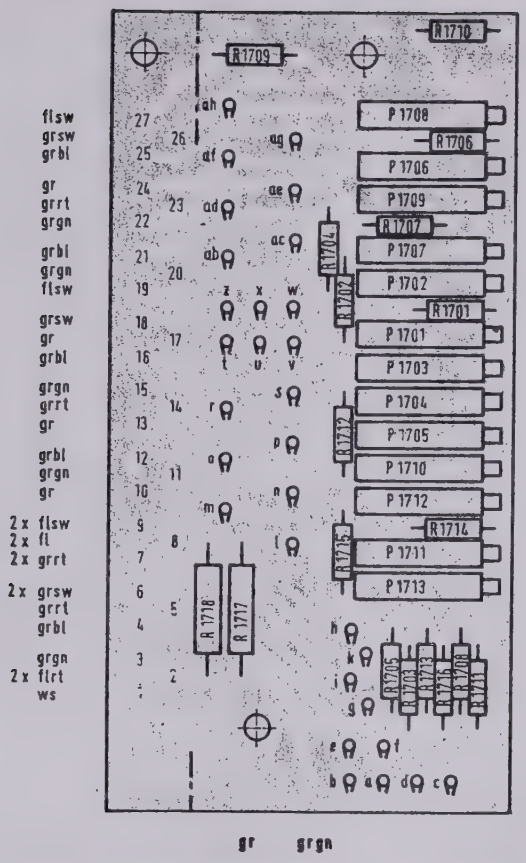


Bild (Fig.) 5-7
341-Z

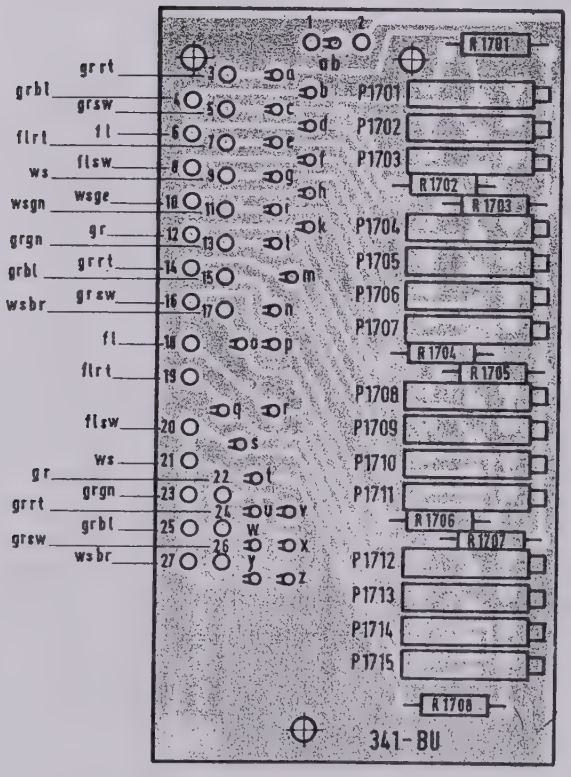


Bild (Fig.) 5-8
341-BU

The frequency of the oscillator is accurate to within approximately 50 Hz after inserting the crystal and previous to the alignment.

5.8.1. Alignment to the Nominal Frequency

Required measuring equipment: Frequency counter covering 3 to 4 MHz
(e.g. FZ-2 from Wandel u. Goltermann)

Switch the level meter to the fixed frequency (pilot) to which it is to be aligned. Connect the frequency counter via a capacitor of 10 nF to point (15) 17 of PC-board 341-AZ. (If the sensitivity of the counter is not sufficient, it is possible for it to be connected to point 1 of Ü 1502).

The following is valid for the frequency alignment:

$$f_Q = f_{rec} + 24\ MHz - f_{PL}$$

whereby f_Q = the frequency of the pilot oscillator

f_{rec} = the receive frequency

f_{PL} = the phase-locked frequency

Oscillator I is now aligned with trimmers C 1303 and C 1305, at the same time observing the frequency counter, until the read-out coincides with the required frequency f_Q. The alignment has the same accuracy as that of the frequency counter used. This must be better than 5×10^{-6}.

The corresponding trimmers for oscillator II are C 1309 and C 1311 or C 1315 and C 1317 for oscillator III. If the capacitance range of the trimmers is not sufficient, a capacitor can be placed in parallel at the clamps a - b, c - d, or e - f.

Caution: Attention should be paid for any frequency shift caused by the probe

It is possible, in conjunction with the Level Generator AT-462/BN 340/2), to measure the frequency directly at the output of the generator. In this case, the generator must be synchronously tuned from the level meter (see 2.3.2.4.).

5.9. Instructions for Mobile Operation

The instrument possesses a precision pointer support, which must be protected during transit. The mode switch should therefore be in the position "off" where the meter will be damped and thus protected against shock.

5.10. Storage

If the level meter is to be stored for a long period, it is adviseable to previously remove the batteries (see 5.4.) and the recharge them at certain intervals.

5.11. Transport Instructions

A safe transportion of the measuring instrument can only be guaranteed if an adequate packing is used. If the original packing has been discarded, the instrument should only be packed as shown in the following drawing Fig. 5-9.

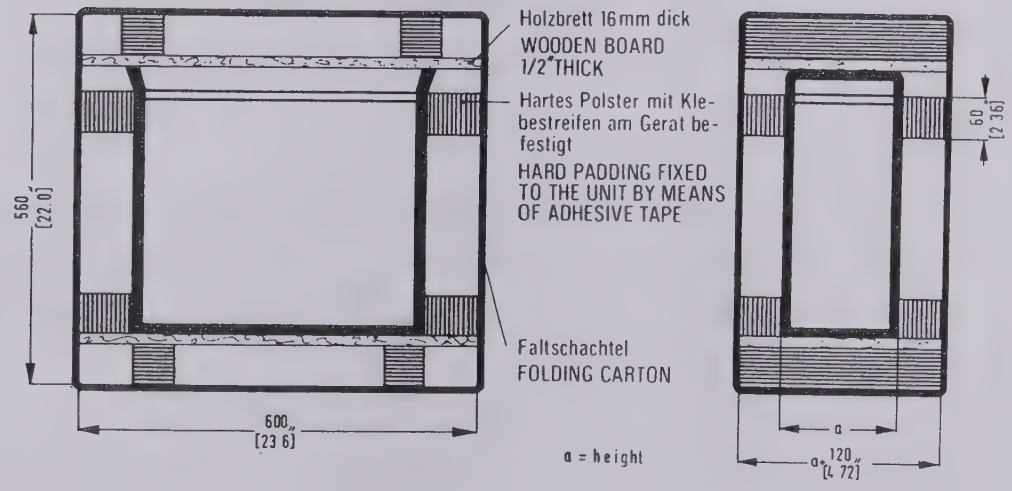


Fig. 5-9

Wandel u. Goltermann Germany

High Precision
Electronic Measuring Instruments

Anhang
Appendix
Annexe

Selektiver Pegelmesser
Selective Level Meter
Mesureur de niveau sélectif

SPM-6

AT-463

BN 0341/00.89; Series H ...

Anschriften

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D-7412 Eningen u.A.
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Telex 07 29 833 wug d
FAX (0 71 21) 8 84 04

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tlx. 08 581 117 wgdu d

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Wandel & Goltermann GmbH & Co
Vertrieb Internationale Projekte
Goldberger Straße 112
4020 Mettmann
Tel. (0 21 04) 2 50 61
tlx. 8 581 117 wgdu d

SELEKTIVER PEGELMESSER SPM-6

SELECTIVE LEVEL METER SPM-6

MESUREUR DE NIVEAU SELECTIF SPM-6

Anhang/Appendix/Annexe BN 341/2/4/5/6

Best.-Nr. / Order No. / Numéro de commande BN 0341/00.89

Ausgabe / Edition 2040/2.73 (ersetzt / replaces / remplace)

I.3.69 Hn
1.2.73

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Printed in the Federal Republic of Germany

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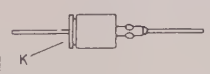
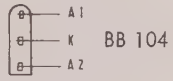
Wandel & Goltermann Elektronische Meßtechnik

Dioden (Diodes)

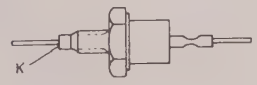
BA 102, BA 111, BA 112, BAX 25, BAY 71, BZY 88/C 5 V 6, BZY 88/C 9 V 1, FD 700, FD 777, HD 5001, hpa 5082-2800, HP 5082-2811, MV 1648; ZF 7,2; 1 N 914, 1 N 3062, 1 N 4151



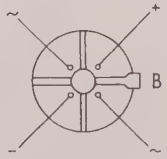
BYY 31



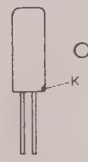
BB 104



ZL 47



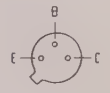
B 125/110-0,5 Si



OAZ 203, OAZ 207

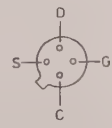
M-CR 2225

Transistoren (Transistors)



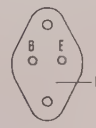
BCY 59 D, BFX 48, BFY 84, BSX 27, BSX 29, BSY 54, BSY 55, BSY 56, BSY 76, BSY 78, BSY 80, BSY 86, DW 7154, 2 N 708, 2 N 930, 2 N 2784, 2 N 2905, 2 N 3251, 2 N 3546, 2 N 3947

BFX 59, BFY 90, 2 N 918, 2 N 2708



UC 734

BFY 92



ASZ 15
BDY 16 A
2 N 3583

Integrierte Schaltkreise (Integrated circuits)

Röhren (Tubes)

Äquivalenzliste für Transistoren (Transistor equivalents)

2 N Typ/äquivalente Proelektron Bezeichnung
2 N Type/äquivalent Proelektron designation

2 N 708 / BSX 88	2 N 2222 / BFX 95
2 N 918 / BFX 73	2 N 2368 / BSX 92
2 N 930 / BFX 93	2 N 2369 / BSX 93
2 N 1613 / BFX 69	2 N 2484 / BFX 93 A
2 N 1893 / BFW 33	2 N 3964 / BFW 22
2 N 2219 / BFX 97	2 N 2223 / BFX 71

Sollten die Werte bestimmter Bauelemente in den Stromlaufplänen und Schaltteillisten differieren, so sind stets die Angaben in den Schaltteillisten als verbindlich anzusehen.

If the values of individual components listed in the circuit diagrams and component lists should differ from another, those values given in the component lists are valid.

Abkürzungsbeispiele (Abbreviations examples):

(14)	= Stromlaufplan 14 (Circuit diagram 14)
341-M	= Leiterplatte M (Circuit board M)
Pkt. 6	= Anschlußpunkt 6 (Connection point 6)
TP 401	= Testpunkt 401 (Test point 401)
1)...9)	= Anmerkungen (Notes)
10)...	= Englische Übersetzung (English translation)

Farbkennzeichnung (Colour coding)

bl	blau	blue
blank	blank	bare wire
br	braun	brown
fl	farblos	transparent
ge	gelb	yellow
gn	grün	green
gr	grau	grey
rs	rosa	pink
rt	rot	red
Schirm	Schirm	screening
sw	schwarz	black
vio	violett	violet
ws	weiß	white
grrt	grau/rot	grey/red

geschirmte Leitung	Screened lead
blanker Draht	Bare wire

Belastbarkeit der Widerstände oder Größenbezeichnung nach DIN 44 050 ff

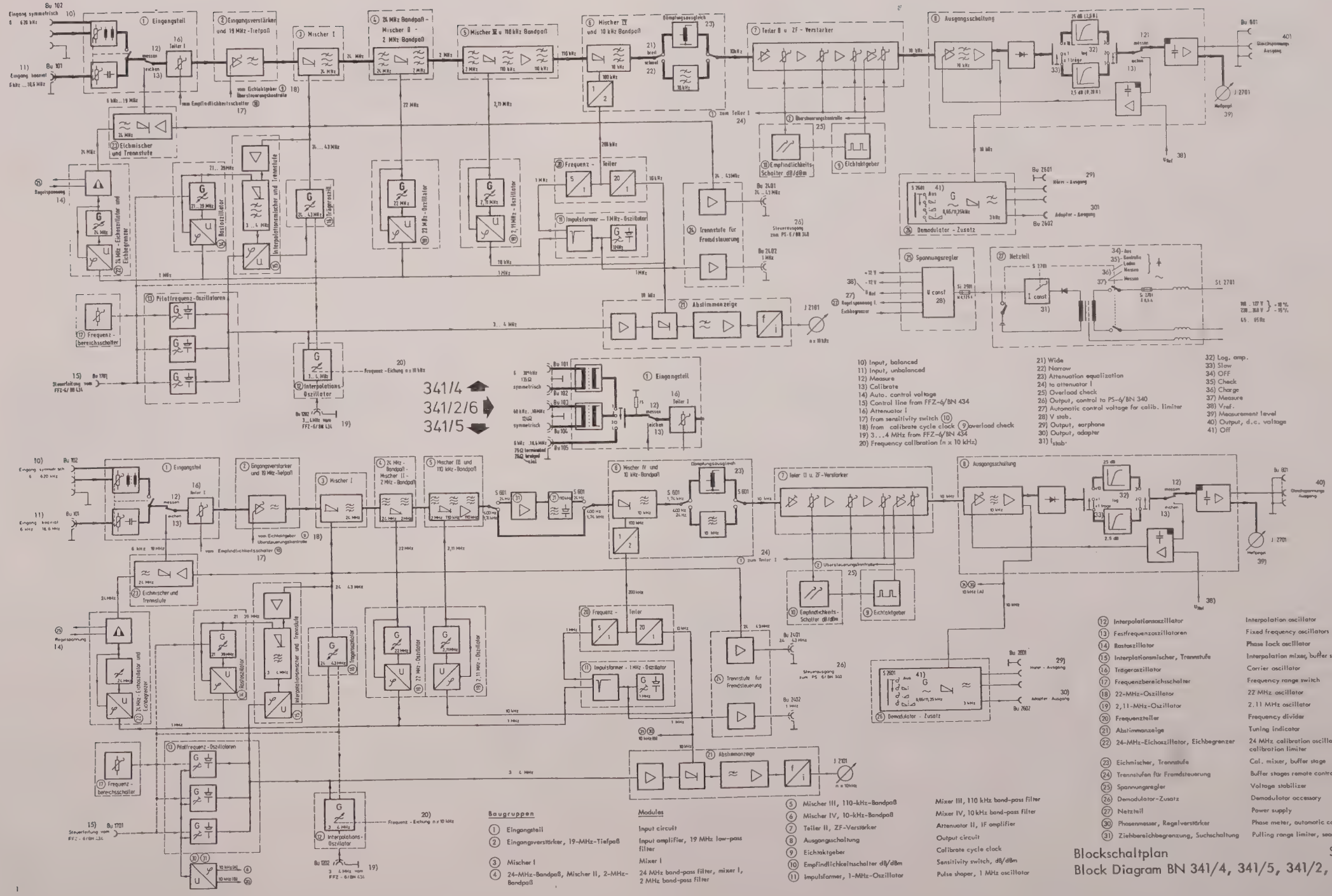
Resistor ratings or size corresponding to German Standard DIN 44 050 ff

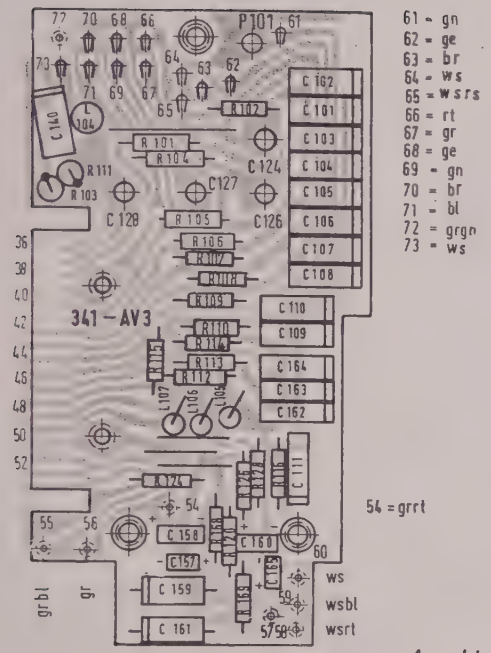
Alle angegebenen Spannungen sind mit einem Instrument 100 kΩ/V gegen 0 V gemessen

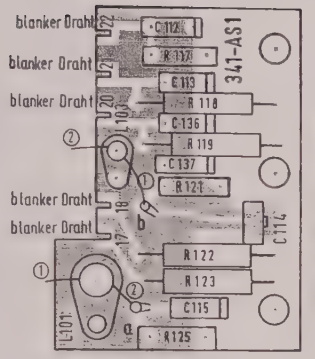
All voltage ratings measured with respect to 0 V with 100 kΩ/V meter

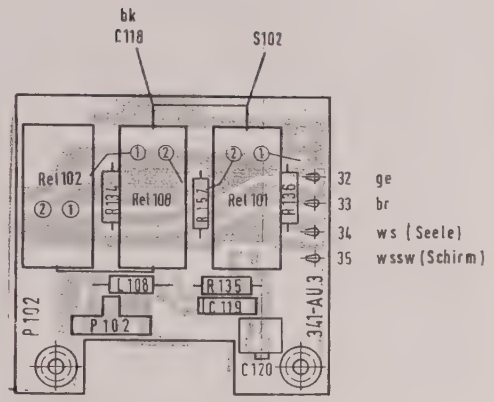
Relais in Ruhestellung dargestellt
Relays shown in rest position

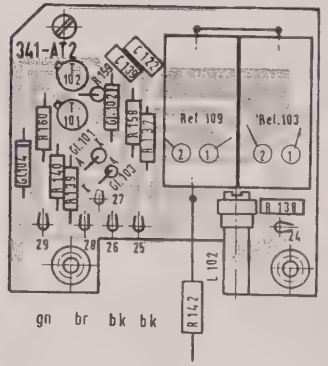
Anmerkungen
zu den Stromlaufplänen
Circuit Diagram Details

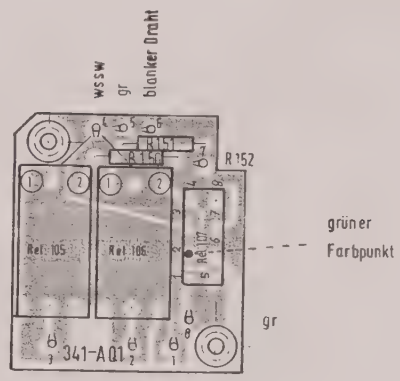

341/4
341/2/6
341/5
Baugruppen
Modules
Interpolationsoszillator
Festfrequenzoszillatoren
Rastoszillator
Interpolationsmischer, Trennstufe
Trägeroszillator
Frequenzbereichsschalter
22-MHz-Oszillator
2,11-MHz-Oszillator
Frequenzteiler
Abstimmanzeige
24-MHz-Eichoszillator, Eichbegrenzer
Eichmischer, Trennstufe
Trennstufen für Fremdsteuerung
Spannungsregler
Demodulator-Zusatz
Netzteil
Phasenmesser, Regelverstärker
Zielbereichsbegrenzung, Suchschaltung
Blockschaltplan
Block Diagram BN 341/4, 341/5, 341/2, 341/6
SPM-6

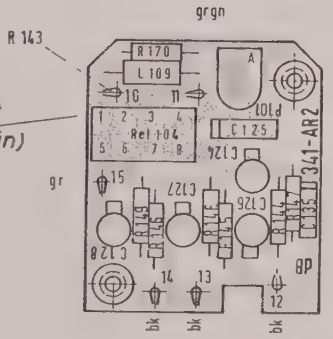


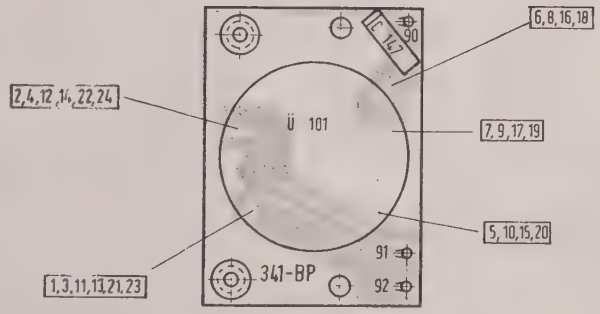


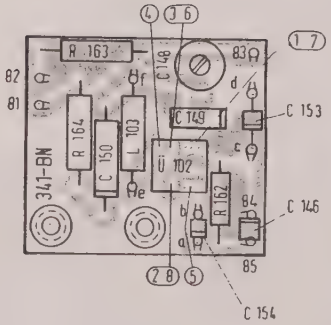


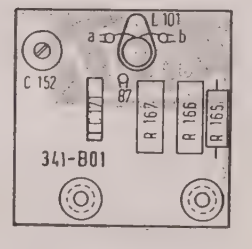


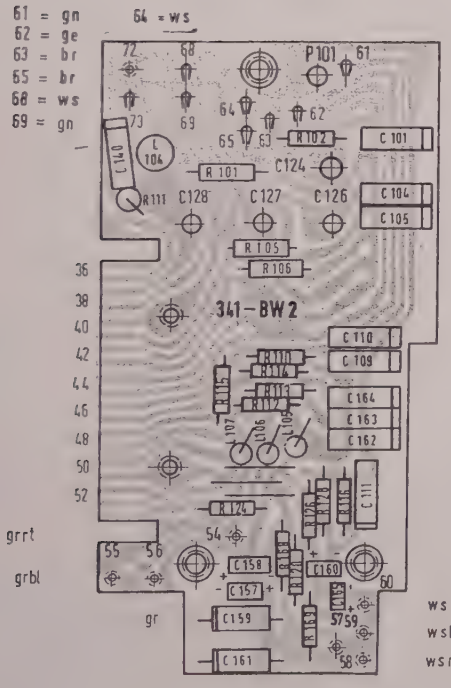


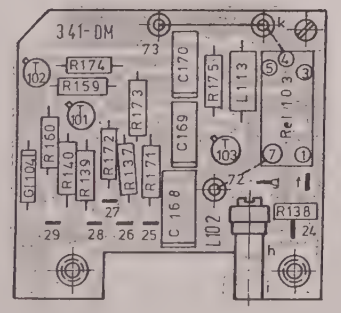


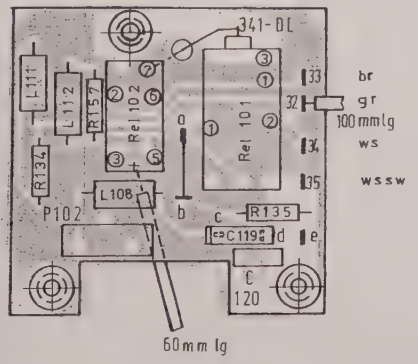




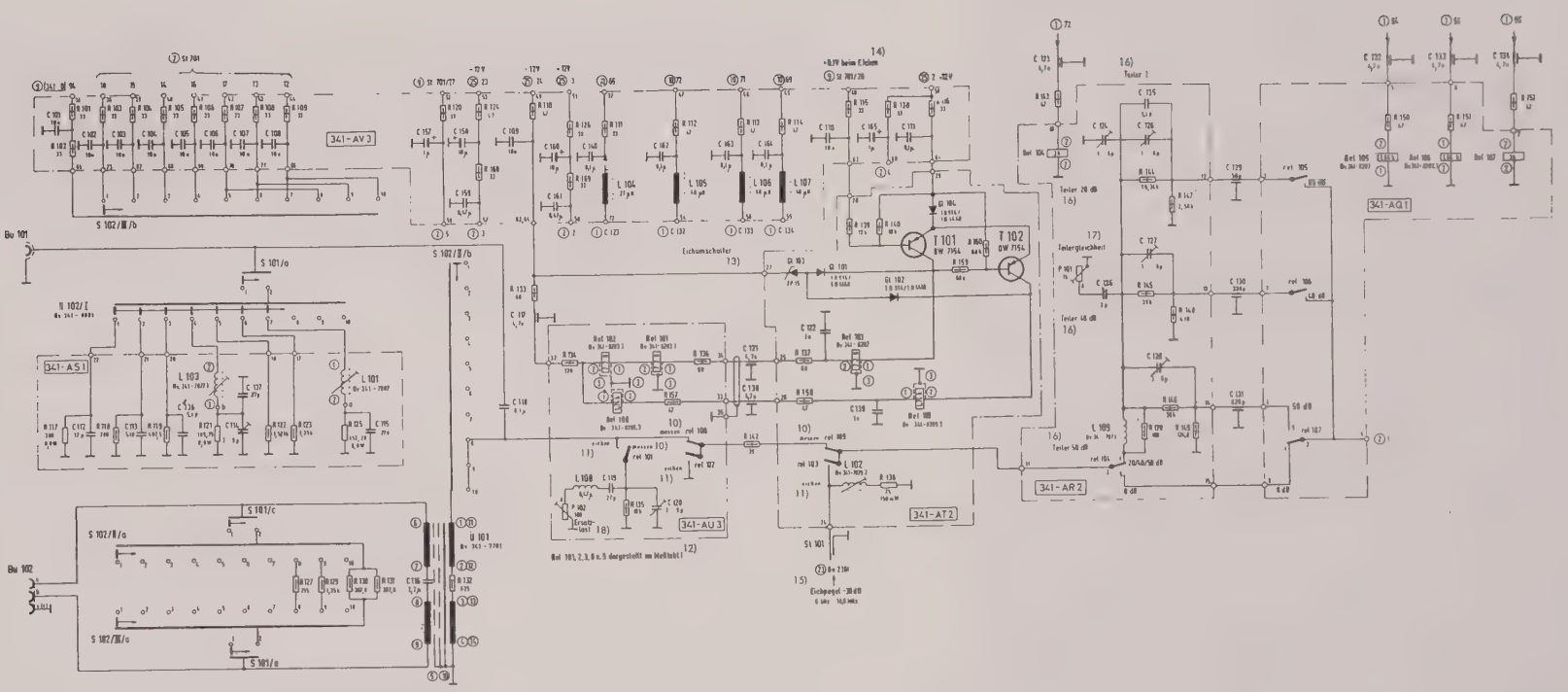


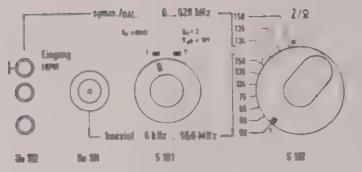






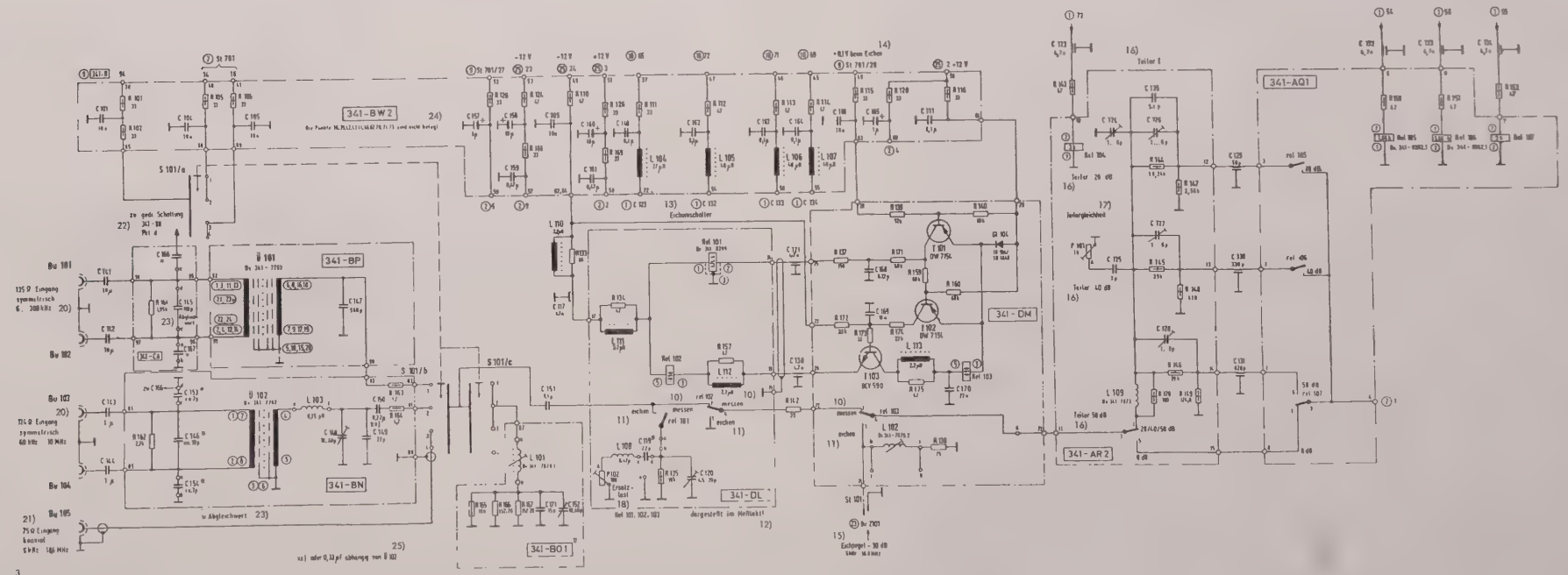
Bestückungszeichnungen SPM-6
Component Plans BN 341/4, 341/2 (1)

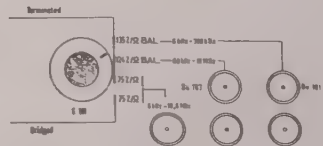




10) Measure
11) Calibrate
12) Rel. 101, 2, 3, 8 and 9 represented in measure cycle
13) Calibrate change-over
14) → 0.1 V when calibrating
15) Calibrate level -30 dB, 6 kHz...18.6 MHz
16) Attenuator
17) Attenuator equalization
18) Syntheric load
19) Note: 1) Series 1: C 119/27 pF
20) Input, balanced
21) Input, coaxial
22) to printed circuit 341-BN point d
23) Alignment value
24) Points: 36, 39, 42, 43, 44, 66, 67, 70, 71, 73 are unused
25) xx) or 0.33 µF dependent upon Ü 102

Eingangsteil dB/dBm SPM-6
Input Circuit dB/dBm BN 341/4 (1)

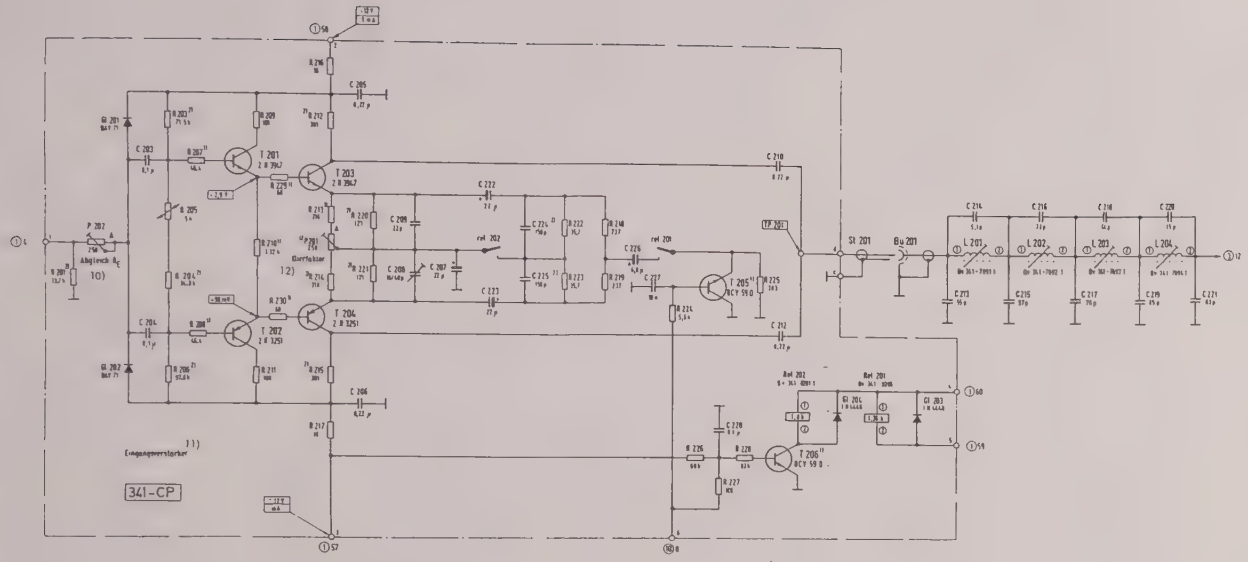




19)

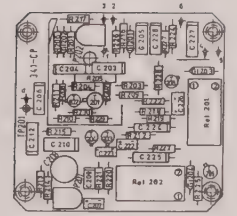
Anmerkungen:
1) Serie 1 geän. Schltg. 341-BB. C 119/27p

Eingangsteil dBm SPM-6
Input Circuit dBm BN 341/2 (1)



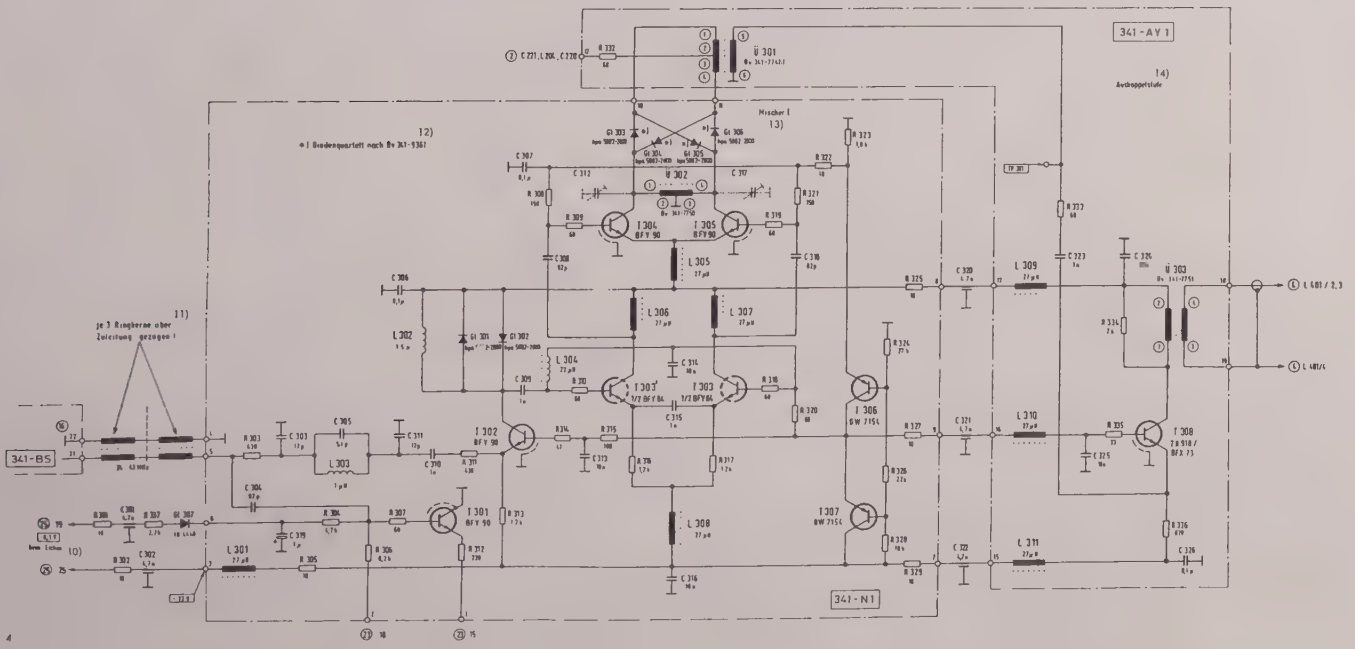
Anmerkungen: 13)

1) Serie H: T 205 u. 206/85 V 80, R 207 u. 208/47, R 210/3,3 k, R 225 u. 230 entfallen
2) Serie H u. I: R 201/15,4 k, R 202/78,8 k, R 204/35,7 k, R 206/97,5 k, R 212 u. 215/100, R 220 u. 221/120, C 224 u. 225/120 p
3) Serie H: (R 213 u. 214/390, Serie E u. I: 287
4) Serie H u. I: P 201/100

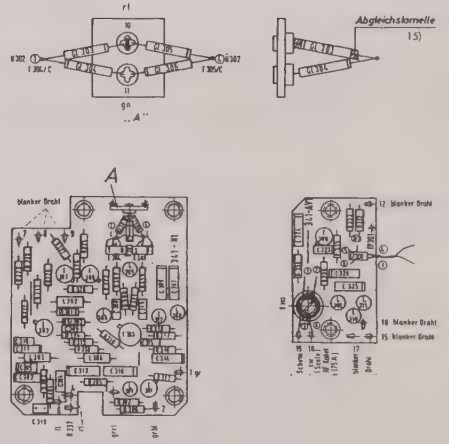


10) Align Z_{in} (R_E)
11) Input amplifier
12) Distortion factor
13) Notes: 1) Series H: .....deleted
2) Series H and I: .....

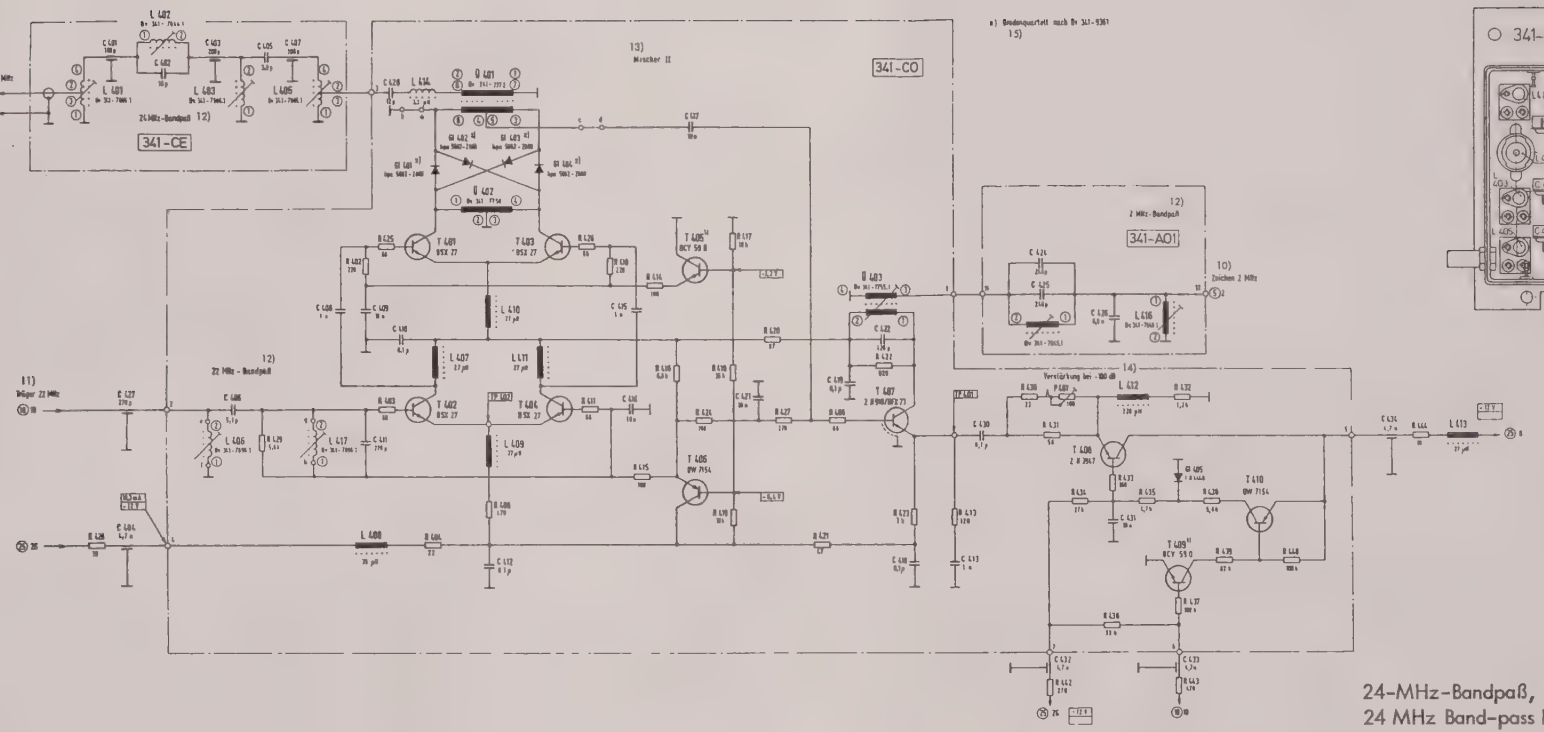
Eingangsverstärker, 18,6-MHz-Tiefpaß SPM-6
Input Amplifier, 18.6 MHz Low-Pass Filter BN 341/4 (2)

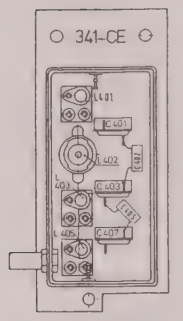


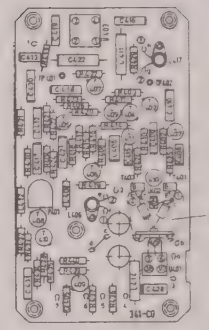
10) When calibrating
11) 3 ferrite beads slid over each feed wire
12) Diode quartet according to Bv. 341-9361
13) Mixer I
14) Decoupling stage
15) Adjustment fin

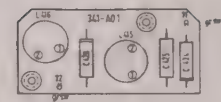


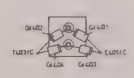
Mischer I SPM-6
Mixer I BN 341/4 (3)







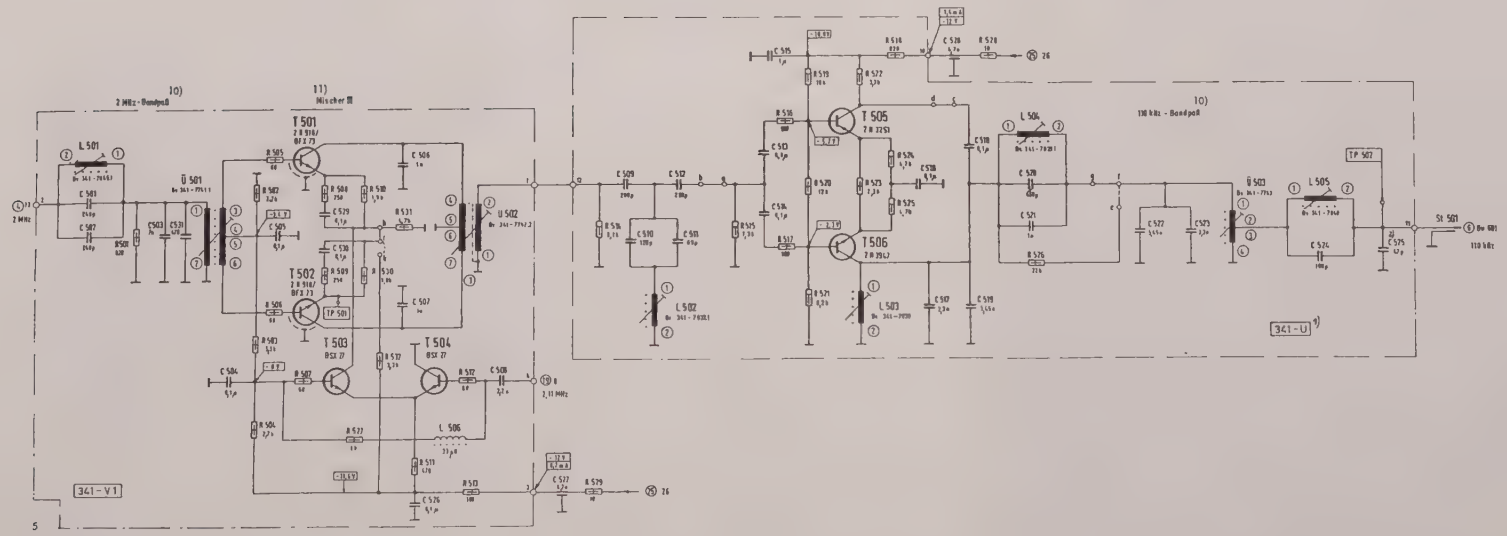




10) Signal, 24 MHz
11) Carrier, 22 MHz
12) Band-pass filter
13) Mixer II
14) Gain at - 100 dB
15) Diode quartet according to Bv. 341-9361
16) Note: 1) Series H: .....

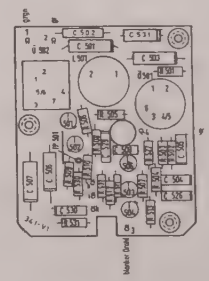
Anmerkungen: 16)
1) Serie H T 605 a 609 / BSY 88

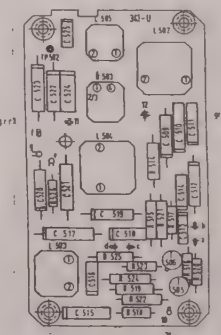
24-MHz-Bandpaß, Mischer II, 2-MHz-Bandpaß SPM-6
24 MHz Band-pass Filter, Mixer II, 2 MHz Band-pass Filter BN 341/4 (4)



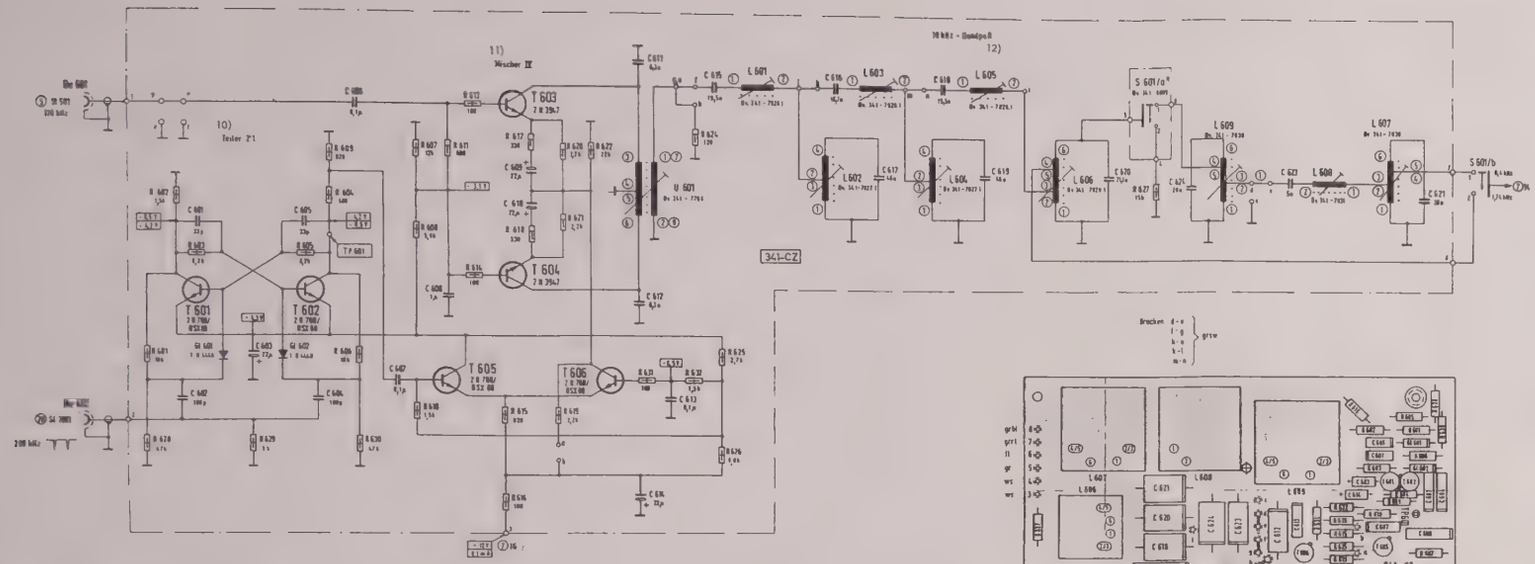
10) Band-pass filter
11) Mixer III
12) Notes: 1)....

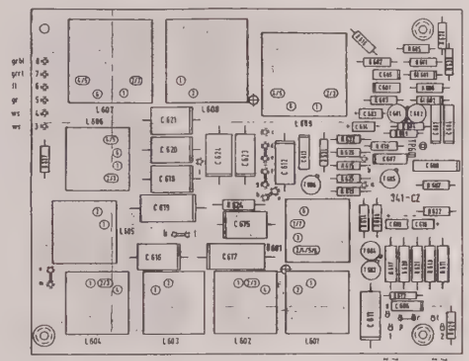
Anmerkungen: 12)
1) 341/5: 341-DH
2) 341/5: C 525/2 pF





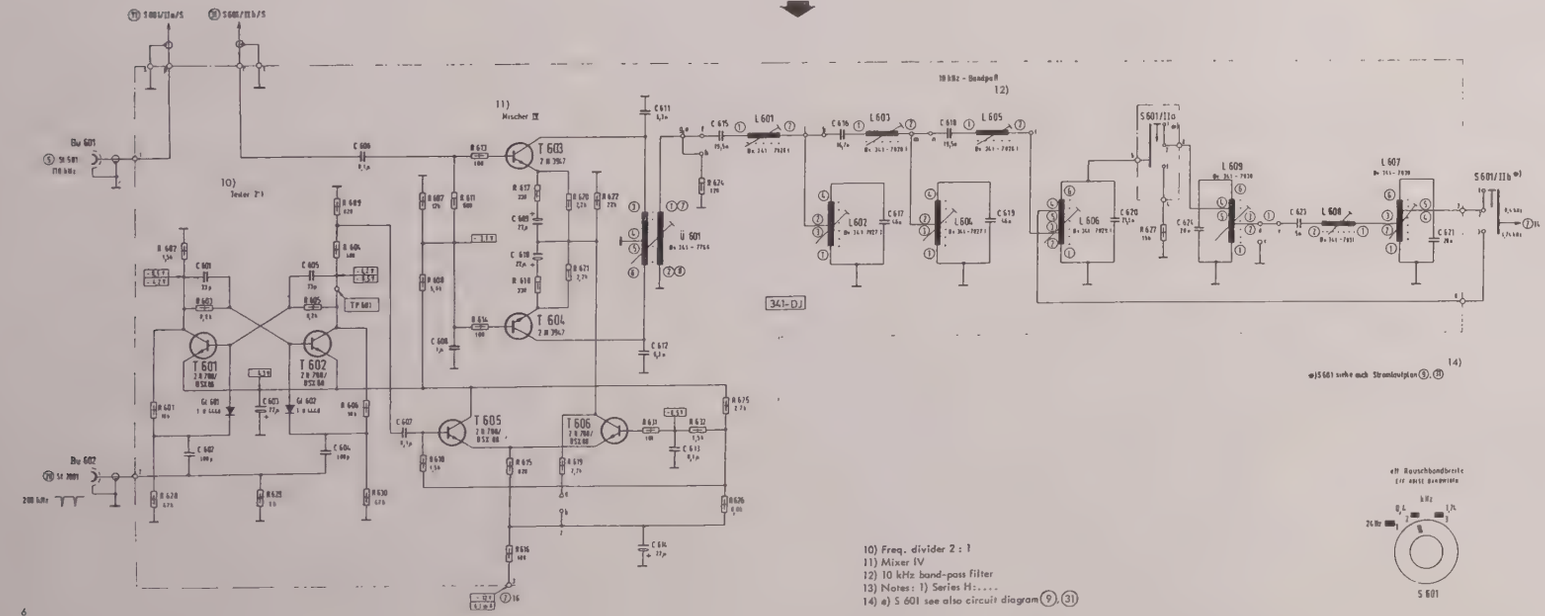
Mischer III, 110-kHz-Bandpaß SPM-6
Mixer III, 110 kHz Band-pass Filter BN 341/4, 341/5 (5)

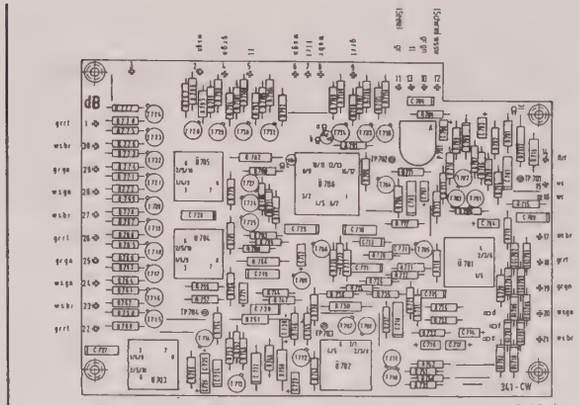




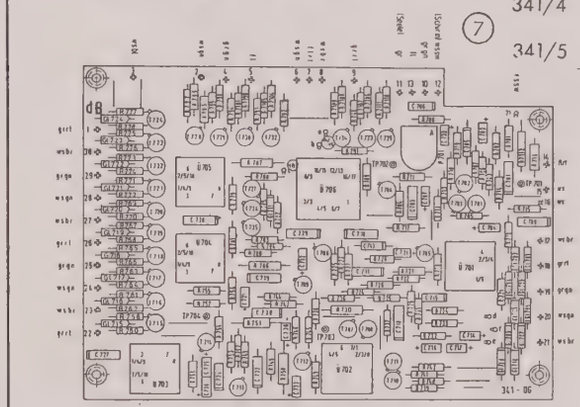
BN 341/4

BN 341/5

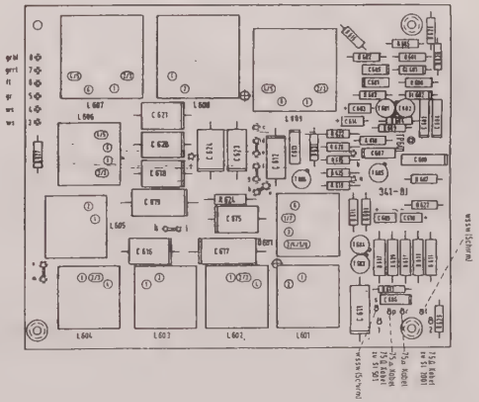




341/4



341/5

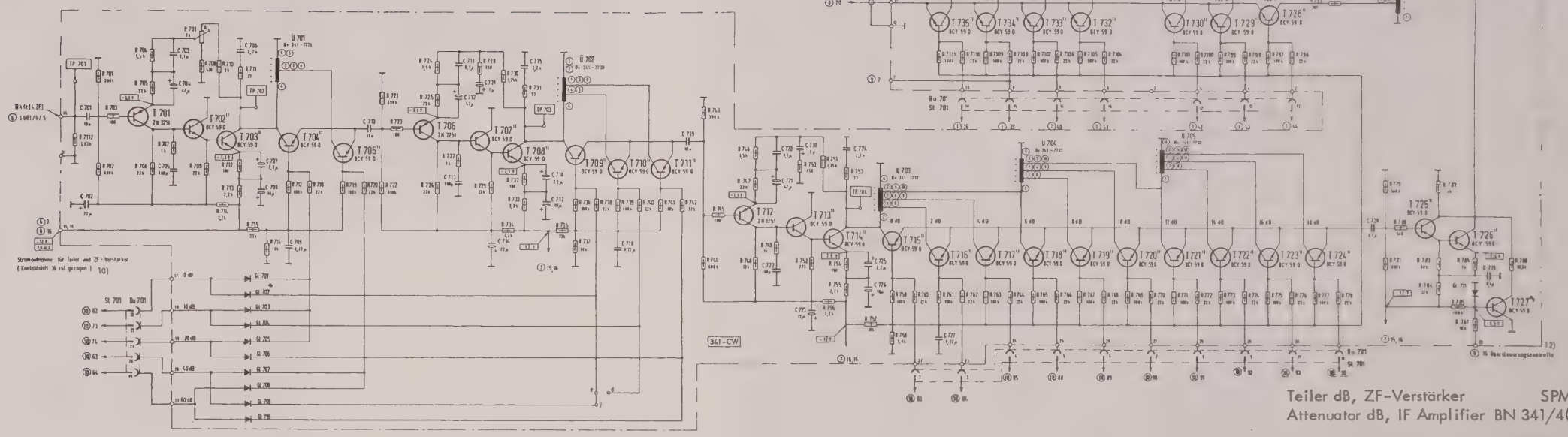


Mischer IV, 10-kHz-Bandpaß SPM-6
Mixer IV, 10 kHz Band-Pass Filter (6)

Bu/St 701 sind dargestellt an Stromlaufplan (7)(8)(9) und (26)
11)

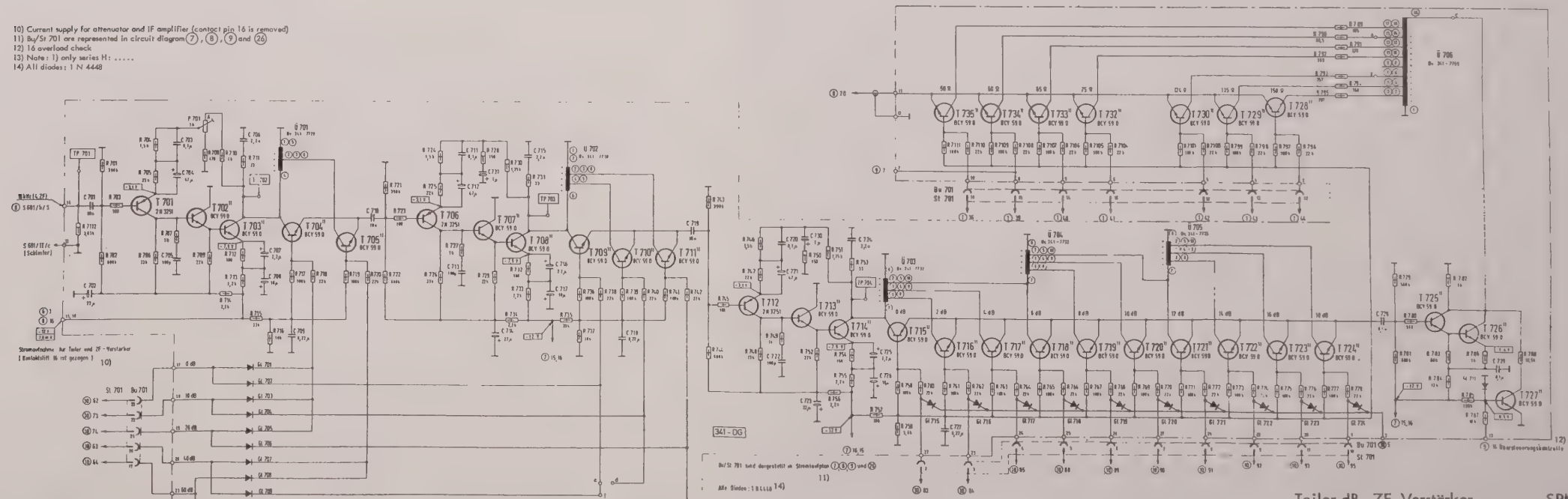
Anmerkungen: 13)
1) Ser. H : T 702...705, T 707...711, T 713, T 730 u. T 732 : 735/BSY 88

Alle Dioden: 1 N 4448 14)



Teiler dB, ZF-Verstärker SPM-6
Attenuator dB, IF Amplifier BN 341/4 (7)

10) Current supply for attenuator and IF amplifier (contact pin 16 is removed)
11) Bu/St 701 are represented in circuit diagram (7), (8), (9) and (26)
12) 16 overload check
13) Note: 1) only series H: .....
14) All diodes: 1 N 4448

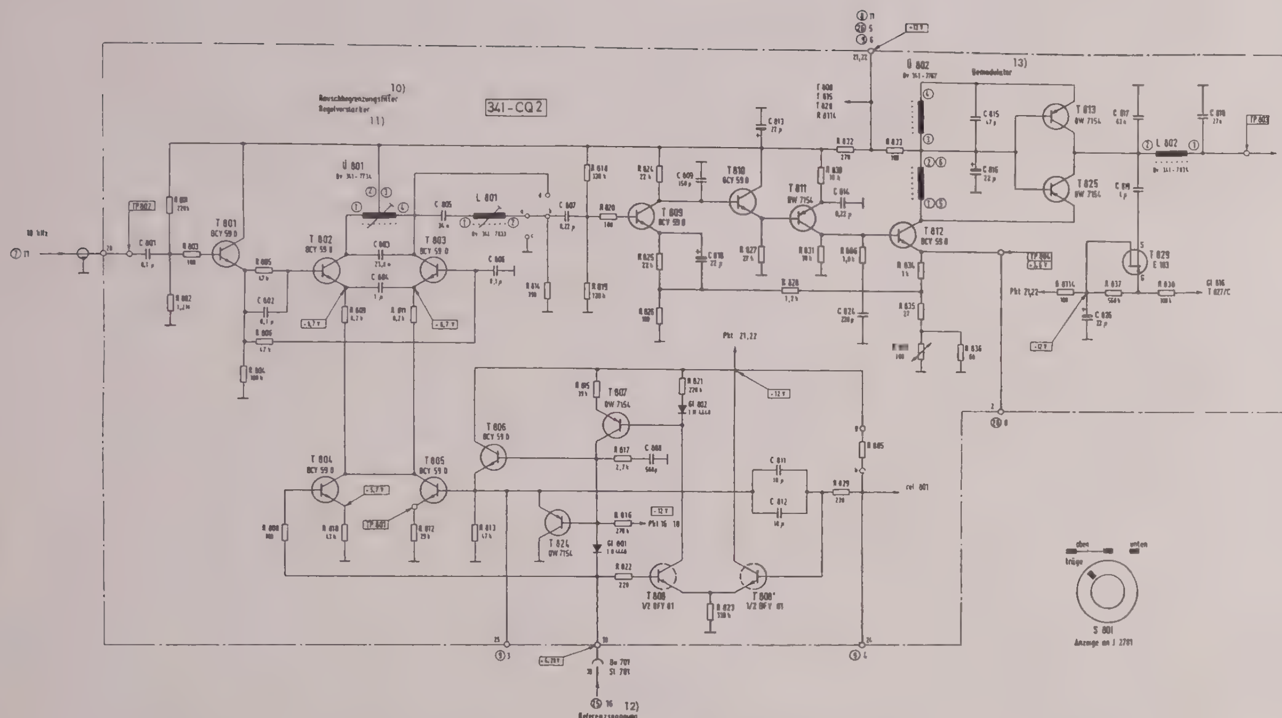


Bu/St 701 sind dargestellt an Stromlaufplan (7)(8)(9) und (26)
11)

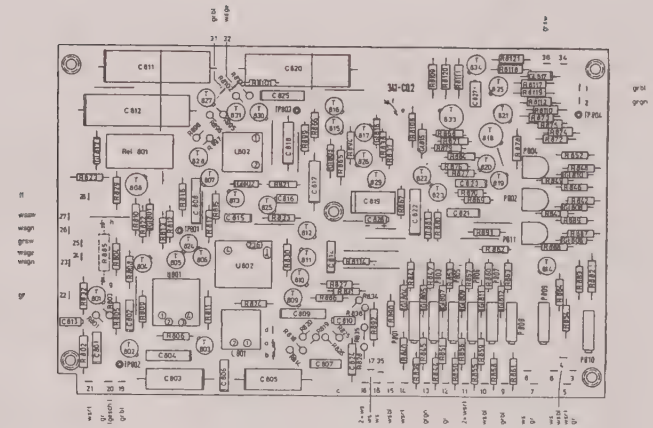
Alle Dioden: 1 N 4448 14)

Anmerkungen: 13)
1) Serie H : T 702 705, T 707, T 711, T 713 , T 730 u. T 732 .735/BSY 88

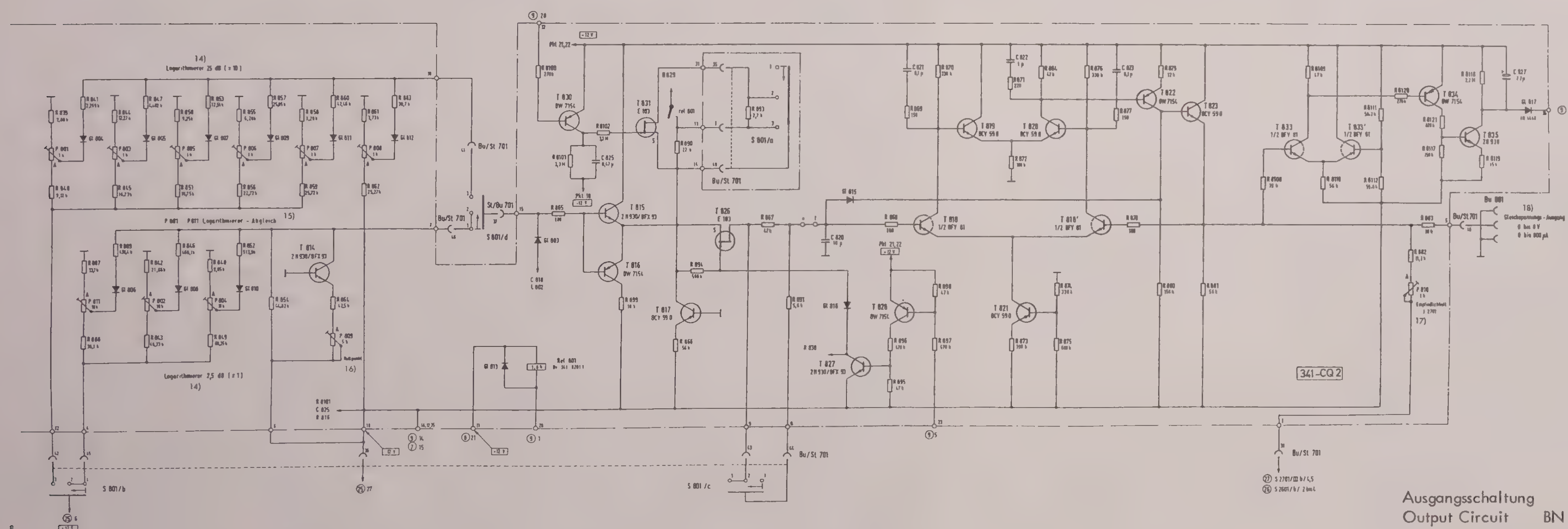
Teiler dB, ZF-Verstärker SPM-6
Attenuator dB, IF Amplifier BN 341/5 (7)



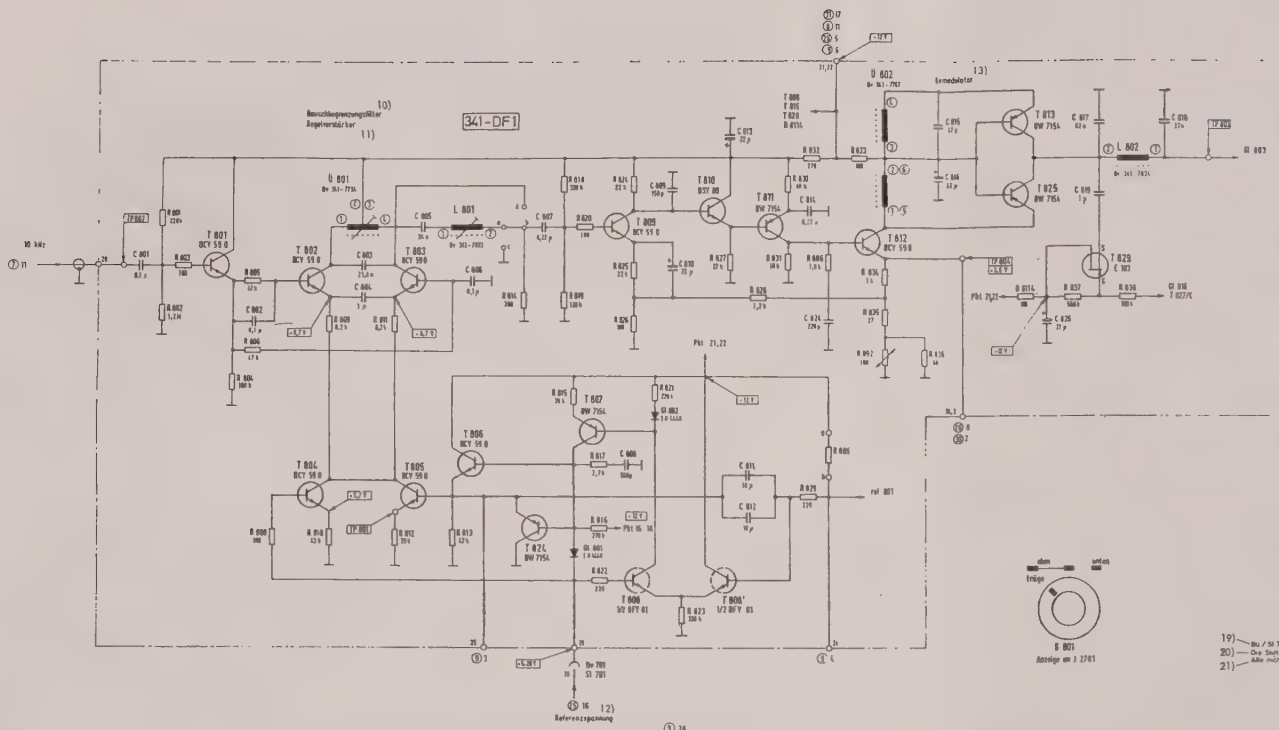
19) Bu / St 701 sind dargestellt in Stromlaufplan ⑦⑧⑨ u ⑩
20) Die Stifte 1,26 u 27 der gedruckten Schaltung sind auf Stromlaufplan ㉖ dargestellt
21) Alle nicht bezeichneten Dioden 1N 4448

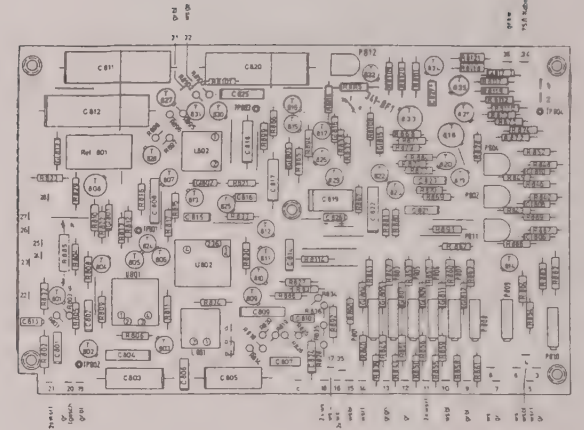


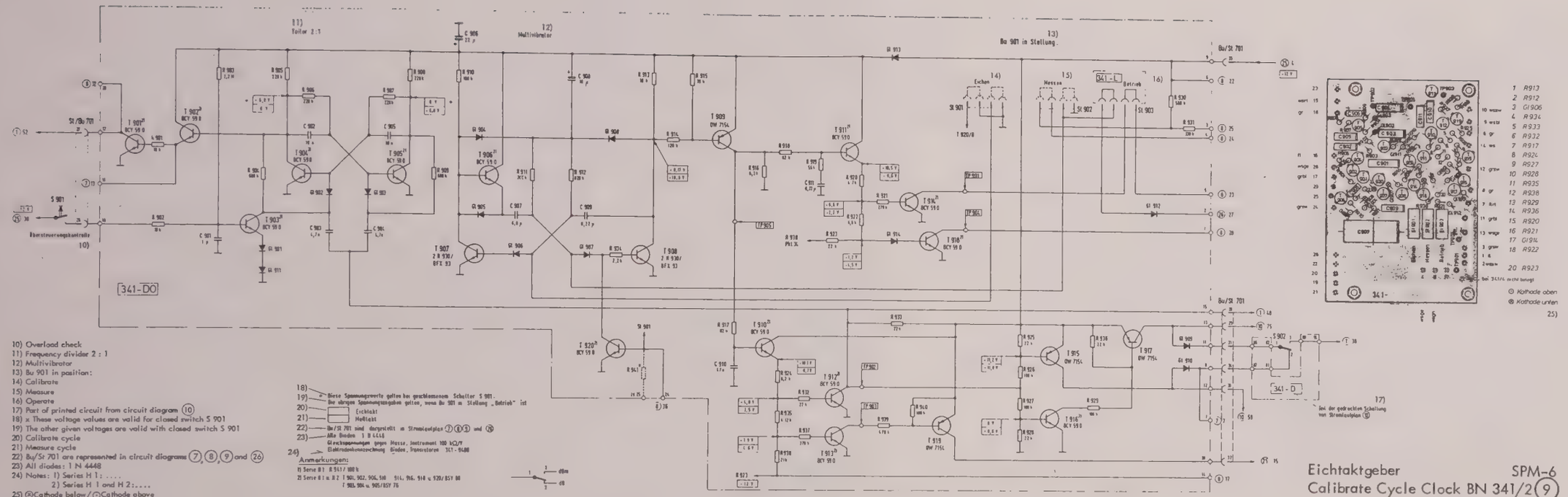
10) Noise limiting filter
11) Auto. control amplifier
12) Reference voltage
13) Demodulator
14) Logarithmic amplifier 2.5 dB (x 1)
15) P 801...P 811 Log. amp. alignment
16) Zero point
17) Sensitivity
18) d.c. voltage output, 0 to 8 V, 0 to 800 µA
19) Bu/St 701 are depicted in circuit diagrams (7), (8), (9) and (10)
20) Pins 1, 26 and 27 of the printed circuit are depicted on circuit diagram (26)
21) All undesignated diodes are: 1 N 4448



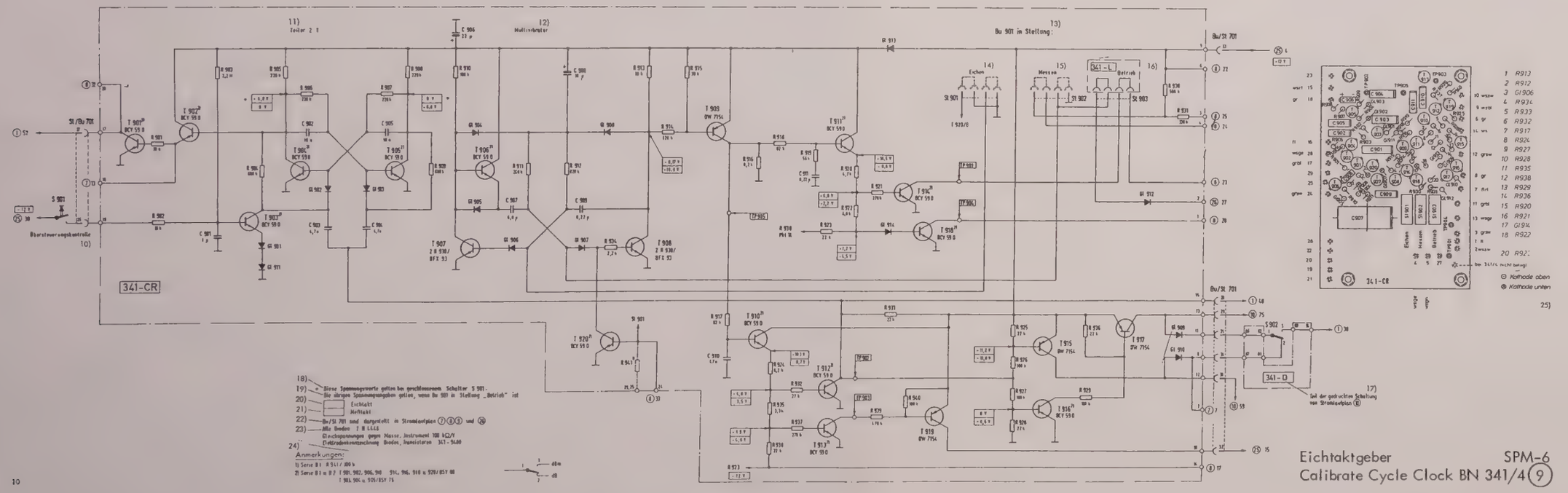
Ausgangsschaltung SPM-6
Output Circuit BN 341/4 (8)

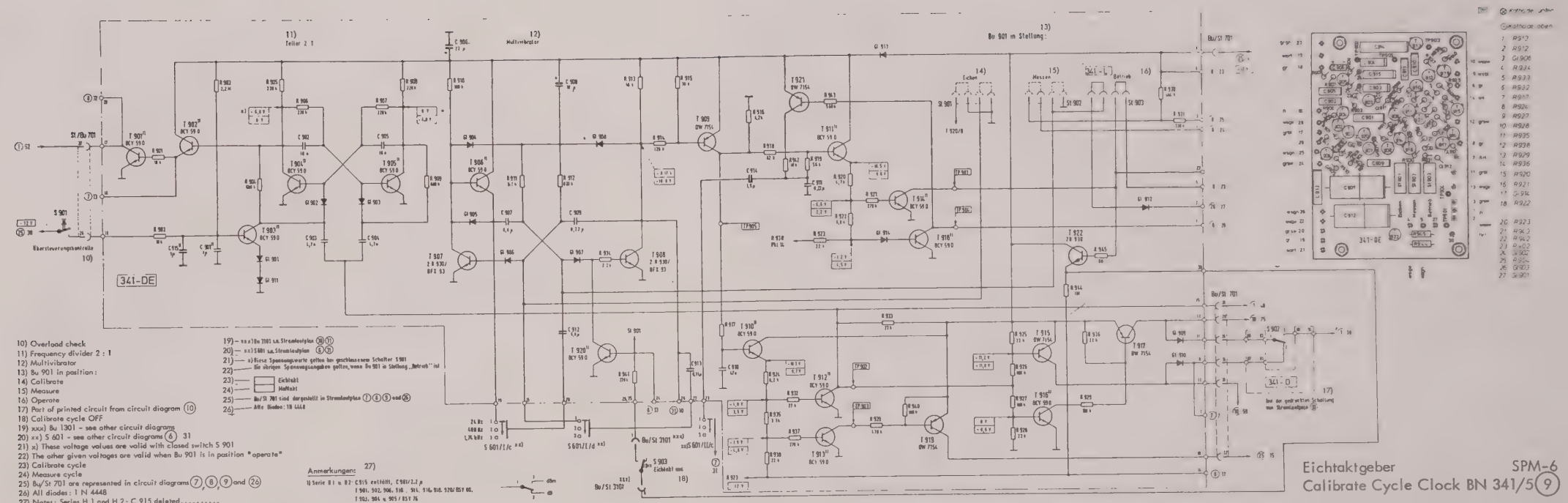

341-DF1
Bu/St 701
S 801/a
S 801/b
S 801/c
S 801/d
Ausgangsschaltung SPM-6
Output Circuit BN 341/5 8





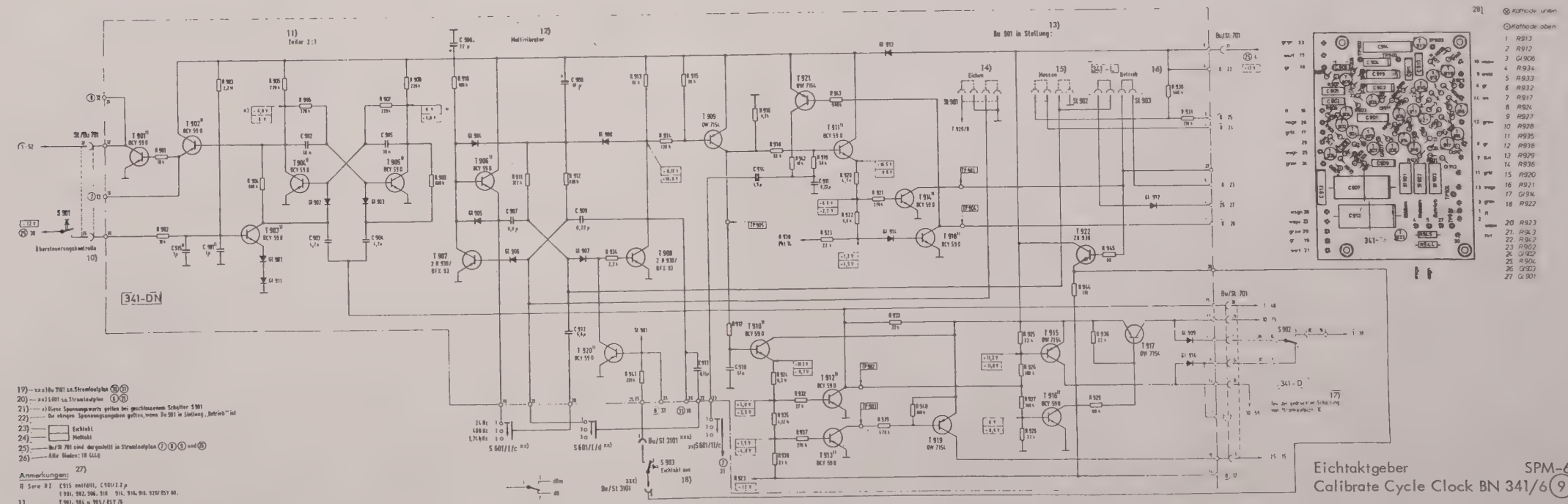
10) Overload check
11) Frequency divider 2 : 1
12) Multivibrator
13) Bu 901 in position:
14) Calibrate
15) Measure
16) Operate
17) Part of printed circuit from circuit diagram (10)
18) x These voltage values are valid for closed switch S 901
19) The other given voltages are valid with closed switch S 901
20) Calibrate cycle
21) Measure cycle
22) Bu/St 701 are represented in circuit diagrams (7), (8), (9) and (26)
23) All diodes : 1 N 4448
24) Notes: 1) Series H 1: ....
2) Series H 1 and H 2:....
25) ⊗Cathode below/⊙Cathode above





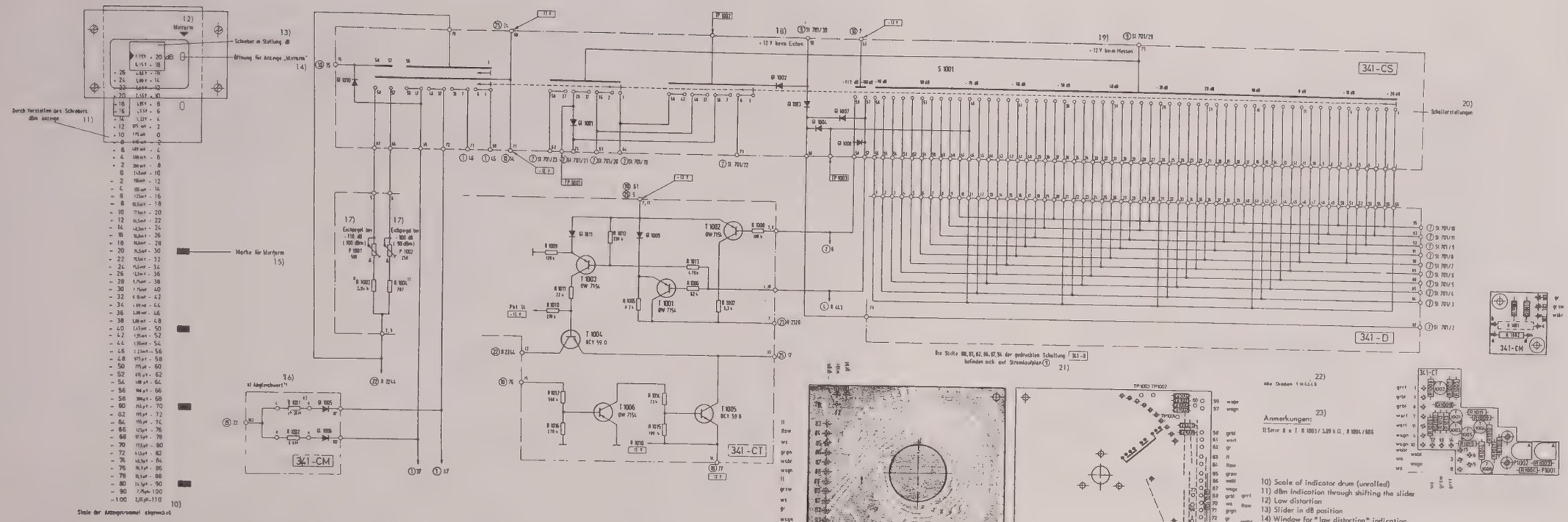
10) Overload check
11) Frequency divider 2 : 1
12) Multivibrator
13) Bu 901 in position:
14) Calibrate
15) Measure
16) Operate
17) Part of printed circuit from circuit diagram (10)
18) Calibrate cycle OFF
19) xxx) Bu 1301 – see other circuit diagrams
20) xx) S 601 – see other circuit diagrams (6) 31
21) a) These voltage values are valid with closed switch S 901
22) The other given voltages are valid when Bu 901 is in position "operate"
23) Calibrate cycle
24) Measure cycle
25) Bu/St 701 are represented in circuit diagrams (7), (8), (9) and (26)
26) All diodes: 1 N 4448
27) Notes: Series H 1 and H 2: C 915 deleted.....
28) ⊗ Cathode below/ ⊙ Cathode above

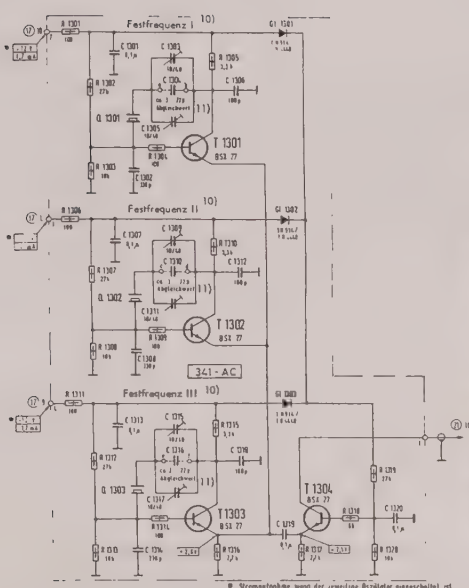
Anmerkungen: 27)
1) Serie H 1 u. H 2: C 915 entfällt, C 901/2,2 p
T 901, 902, 906, 910, 914, 916, 918, 920/BSY 80,
T 903, 904 u. 905/BSY 76



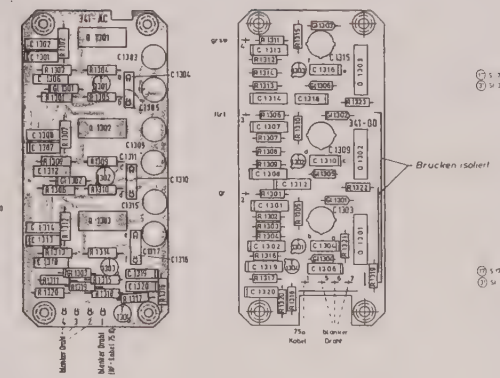
19) xxx) Bu 7101 s.a. Stromlaufplan (28) (31)
20) xx) S 601 s.a. Stromlaufplan (6) (31)
21) a) Diese Spannungswerte gelten bei geschlossenem Schalter S 901
22) Die übrigen Spannungsangaben gelten, wenn Bu 901 in Stellung „Betrieb" ist
23) Eichtakt
24) Meßtakt
25) Bu/St 701 sind dargestellt in Stromlaufplan (7) (8) (9) und (26)
26) Alle Dioden: 1N 4448
27)

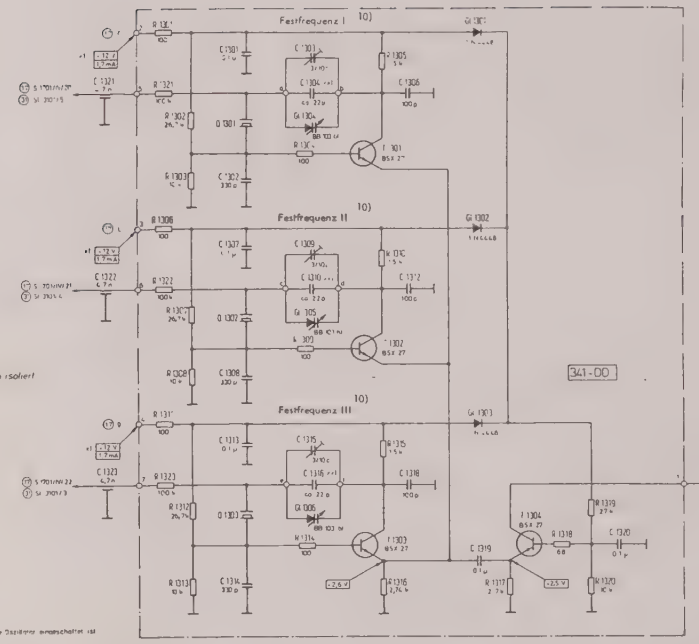
Anmerkungen:
1) Serie H 2 C 915 entfällt, C 901/2,2 p
T 901, 902, 906, 910 914, 916, 918, 920/BSY 80,
11 T 903, 904 u. 905/BSY 76

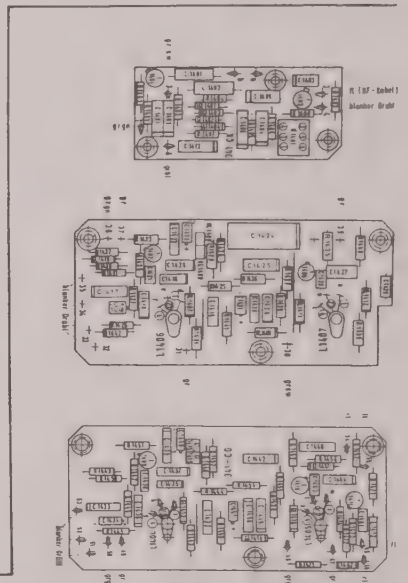

341-CS
341-D
341-CT
341-CM
S 1001
Durch Verstellen des Schiebers dem Anzeige
Marke für Meßform
Skale der Anzeigetrommel abgeschnitten
Schieber in Stellung dB
Öffnung für Anzeige „Meßform"
Schalterstellungen
Die Stifte 80, 81, 82, 86, 87, 94 der gedruckten Schaltung 341-B befinden sich auf Stromlaufplan 9
Anzeige „Meßform"
Meßform
Anzeige
Schieber
Schalter
Schalterstellungen
Stromlaufplan
Schaltung
Stifte
Skale
Trommel
Marke
Öffnung
Stellung
Verstellen
Schieber
Anzeige
Meßform



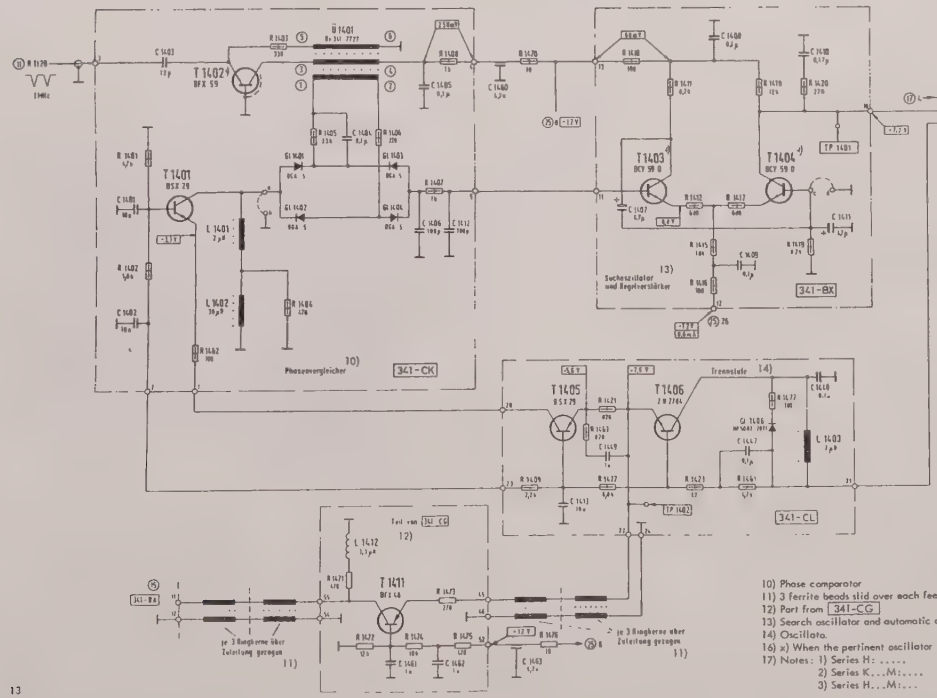
BN 341/4 BN 341/5







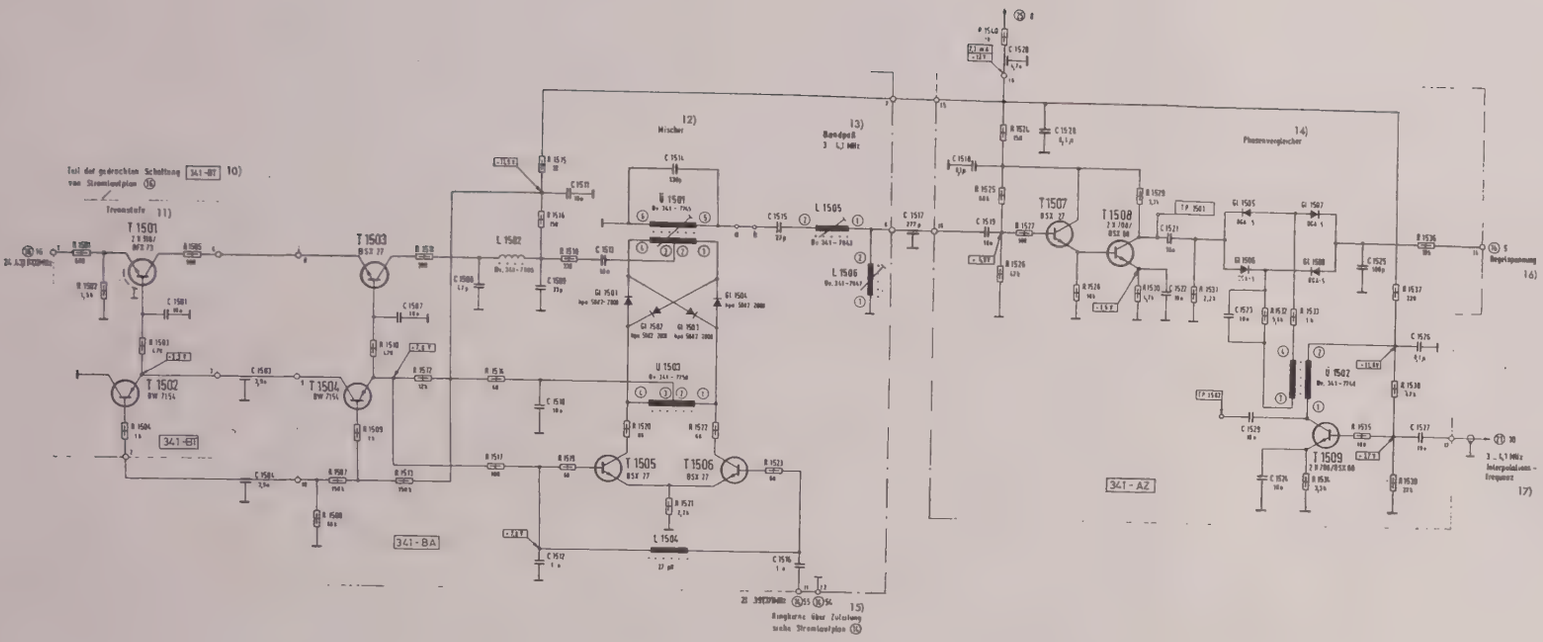
10) Fixed frequency
11) xx) alignment value
12) x) current consumption when pertinent oscillator is ON

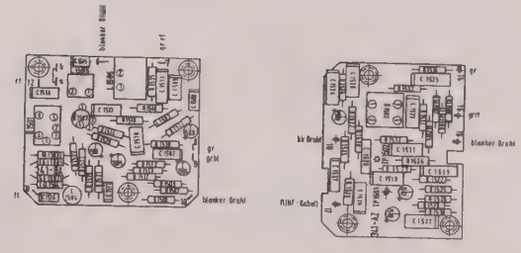


10) Phase comparator
11) 3 ferrite beads slid over each feed-in conductor
12) Part from 341-CG
13) Search oscillator and automatic control amplifier
14) Oscillator.
16) x) When the pertinent oscillator is switched IN through S 1701/II
17) Notes: 1) Series H: .....
2) Series K,...M:....
3) Series H...M:...

16) x) Wenn der betreffende Oszillator über S 1701/II eingeschaltet ist

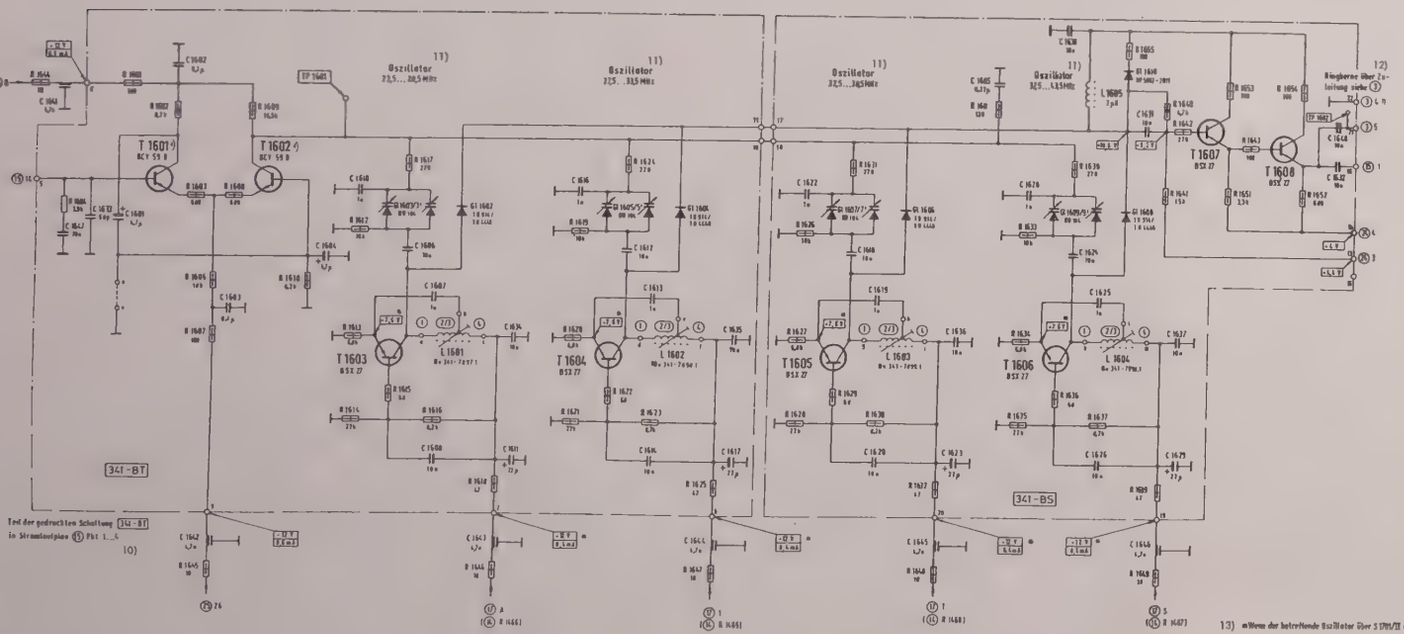
Anmerkungen: 17)
1) Serie H T 1401 u. 1406/BSY 88, T 1402/2N 2708
2) Serie K M: C 1426/ 1p
3) Serie H M: C 1426/ 1p

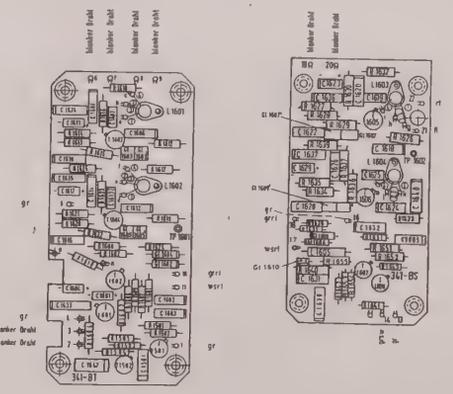




10) Part of printed circuit 341-BT from circuit diagram (16)
11) Buffer stage
12) Mixer
13) Band-pass filter 3...4.1 MHz
14) Phase comparator
15) Ferrite bead over feed-in conductor, see circuit diagram (14)
16) Automatic control voltage
17) 3...4.1 MHz interpolation freq.

Interpolationsmischer, Trennstufe SPM-6
Interpolation Mixer, Buffer Stage BN 341/4 (15)



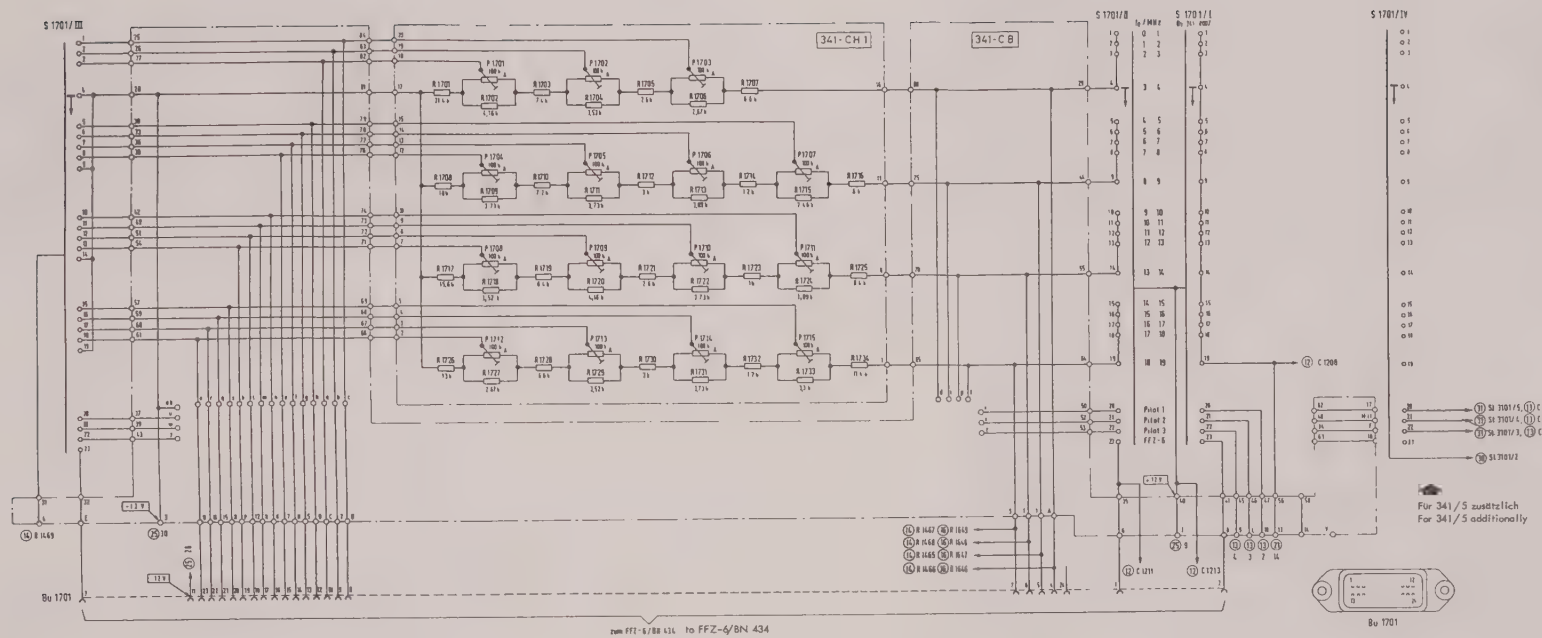


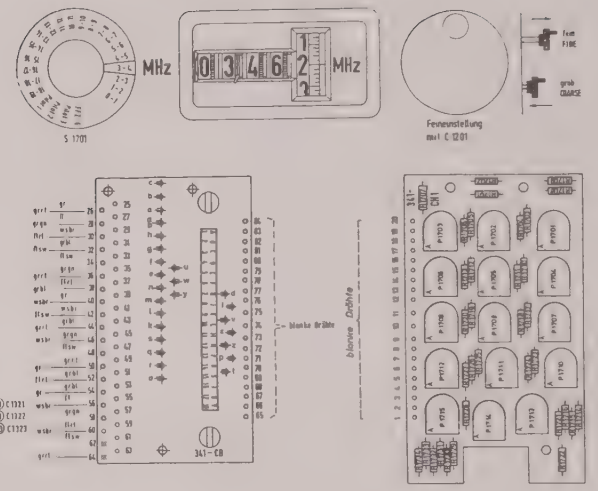
10) Part of printed circuit 341-BJ in circuit diagram (15) points 1...4
11) Oscillator
12) Ferrite bead over feed-in conductor, see (3)
13) When the pertinent oscillator is switched IN through S 1701/II
14) Note: I) Series H: .....

13) ⊕Wenn der betreffende Oszillator über S 1701/II eingeschaltet ist

14)
Anmerkungen:
s) Serie ...H: T 1604 o. 1607/BSY 88

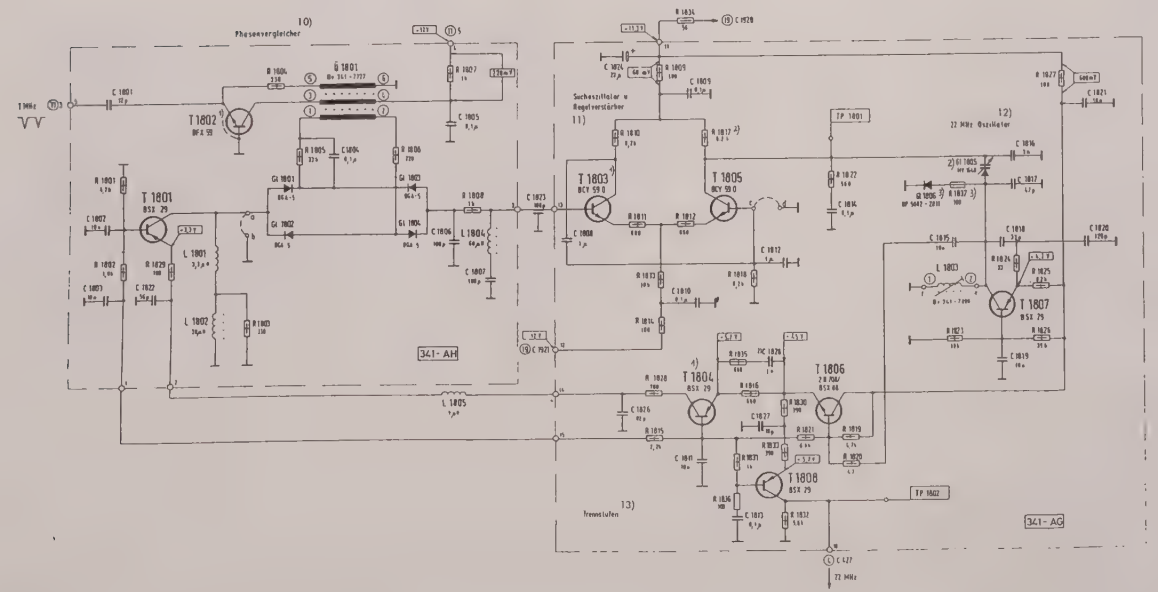
Trägeroszillator SPM-6
Carrier Oscillator BN 341/4 (16)

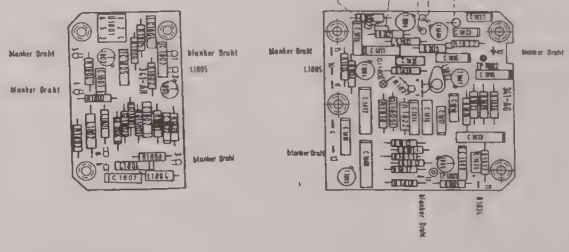




Für 341/5 zusätzlich
For 341/5 additionally

Frequenzbereichsschalter SPM-6
Frequency Range Switch BN 341/4, 341/5 (17)

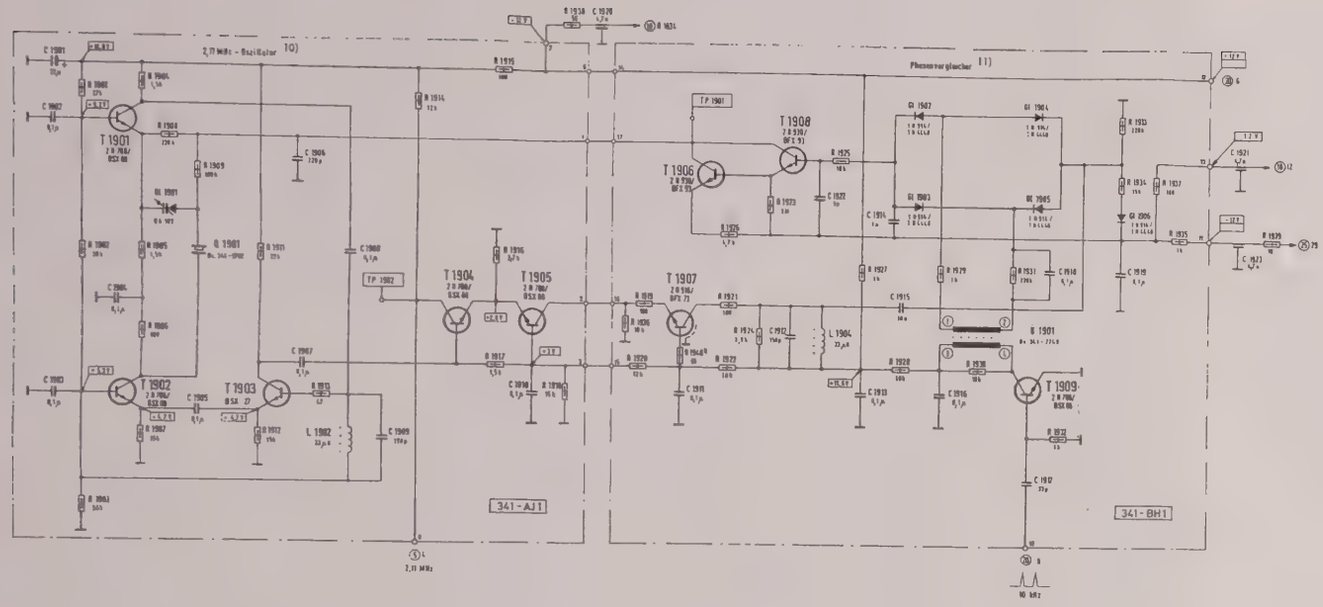


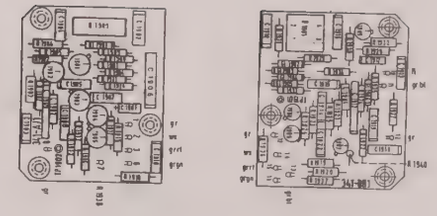


10) Phase comparator
11) Search oscillator
12) 22 MHz oscillator
13) Buffer stages
14) Notes: 1) Series H: ....
2) Series H...K
3) Series H...N: ....without....deleted

Anmerkungen:
1) Serie H: T 1803 u 1804 / BSY 80, T 1802 / 2 N 2709
2) Serie H ...K: G1 1805 / BA 112 R 1817 / 10 k
3) Serie H ...B: G1 1806 / BAX 25 ohne R 1837, R 1837 entfällt

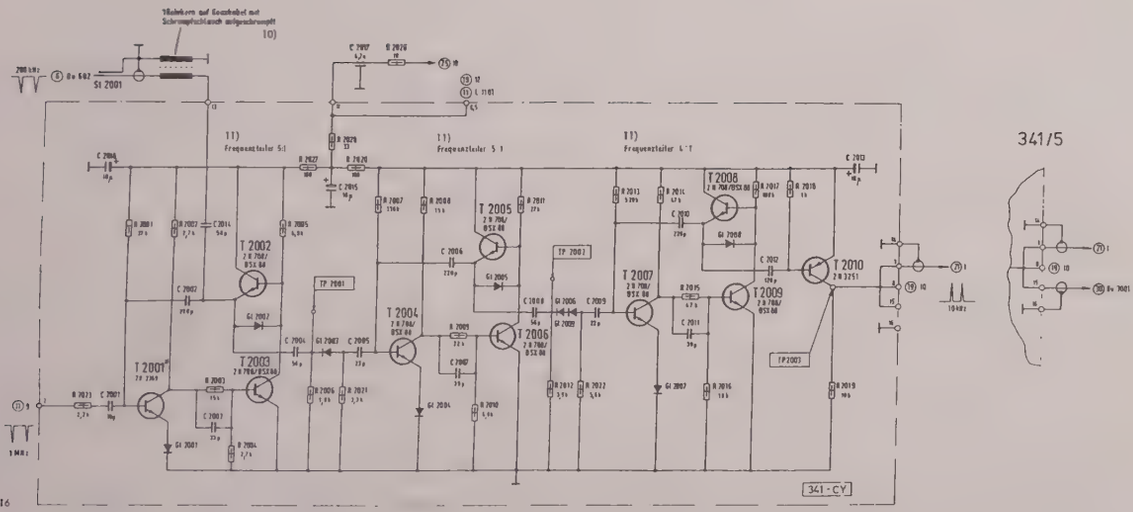
22-MHz-Oszillator, Phasenvergleicher SPM-6
22 MHz Oscillator, Phase Comparator BN 341/4 (18)





10) 2.11 MHz oscillator
11) Phase comparator

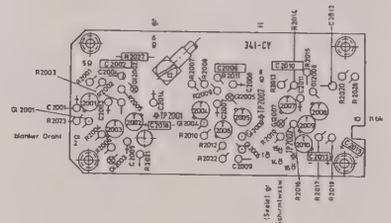
2,11-MHz-Oszillator, Phasenvergleicher SPM-6
2.11 MHz Oscillator, Phase Comparator BN 341/4 (19)



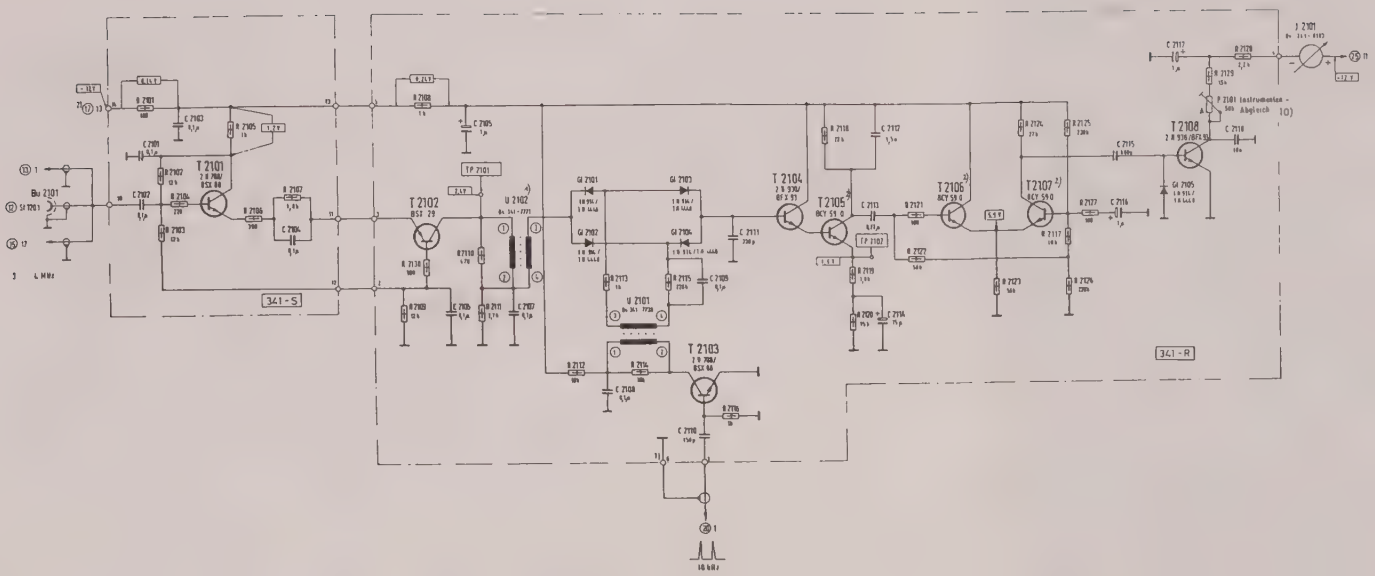
341/5

Anmerkungen: 12)
1) Serie H T 2001/2 = 708/BSX 66
13) Alle Dioden 1 N 4448

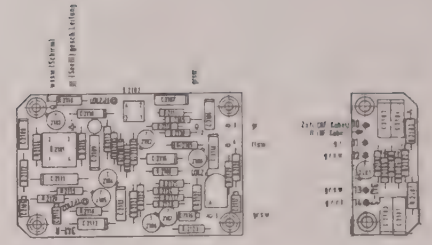
10) One ferrite tube
11) Frequency divider 5 : 1
12) Note: 1) Series H: ...
13) All diodes: 1 N 4448



Frequenzteiler SPM-6
Frequency Divider BN 341/4, 341/5 (20)

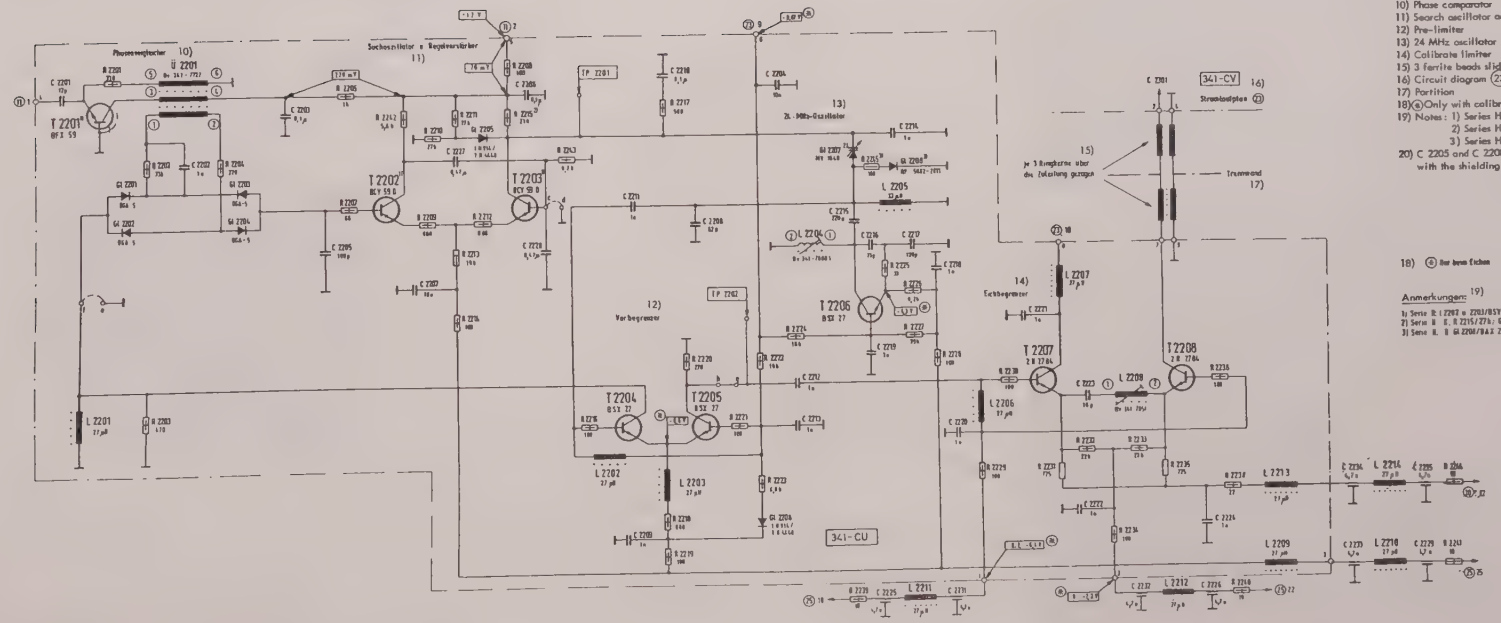


Anmerkungen: 11)
1) Serie . . . BF: R 2102/Br 341-7746
2) Serie . . R 12185, 2108 u 2167/BSY 86



10) Meter alignment
11) Notes: 1) Series H1 . .
2) Series H

Abstimmanzeige SPM-6
Tuning Indicator BN 341/4 (21)

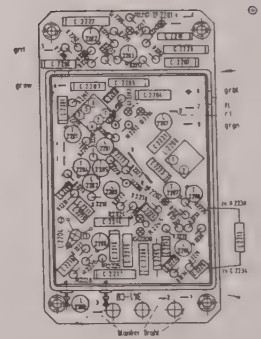


10) Phase comparator
11) Search oscillator and automatic control amplifier
12) Pre-limiter
13) 24 MHz oscillator
14) Calibrate limiter
15) 3 ferrite beads slid over each feed-in conductor
16) Circuit diagram (23)
17) Partition
18) Ⓐ Only with calibration
19) Notes: 1) Series H: ....
2) Series H...K:....
3) Series H...N: .....without ....deleted
20) C 2205 and C 2208 may not interfere with the shielding frame

18) Ⓐ Nur beim Eichen

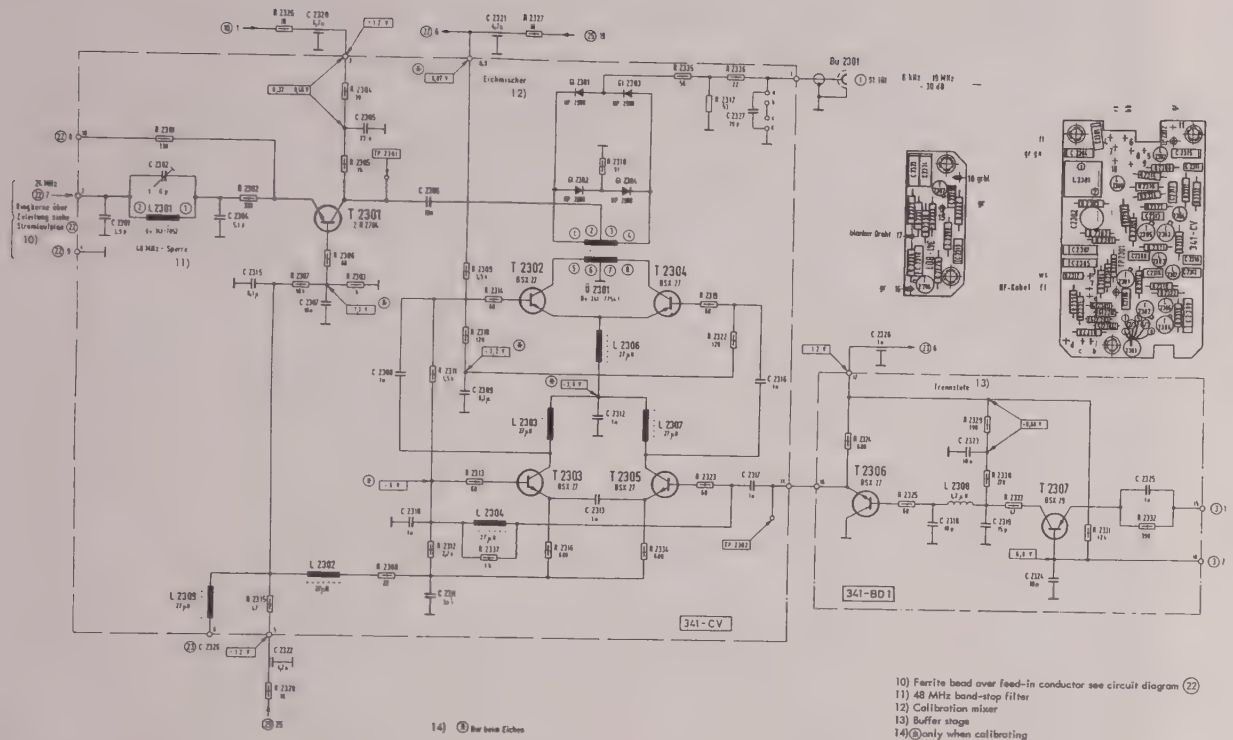
Anmerkungen: 19)
1) Serie R: 12202 u 2203/BSY 80, T 2208/28 2784,
2) Serie R: R 2215/270; Gl 2207/OA 112
3) Serie R: R Gl 2208/OAZ 25 ohne R 2245, R 2245 entfällt

Ⓚ Kathode unten
Ⓐ Kathode oben

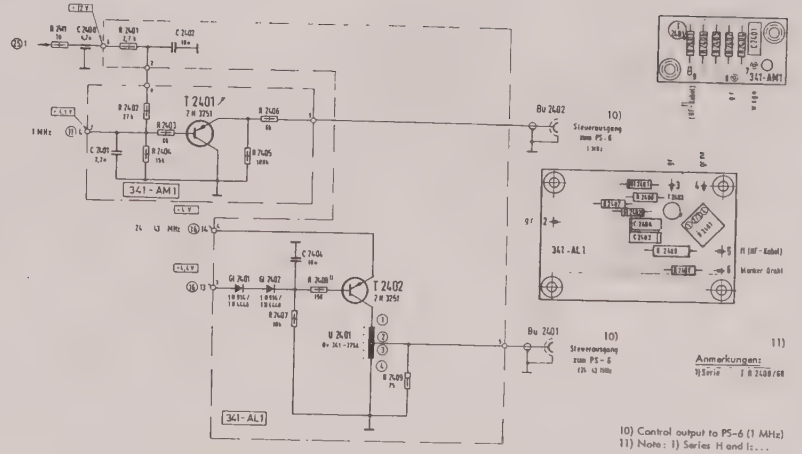


C 2205 u. C 2208 dürfen die Abschirmrahmen nicht berühren 20)

24-MHz-Eichoszillator SPM-6
24 MHz Calibration Oscillator BN 341/4 (22)

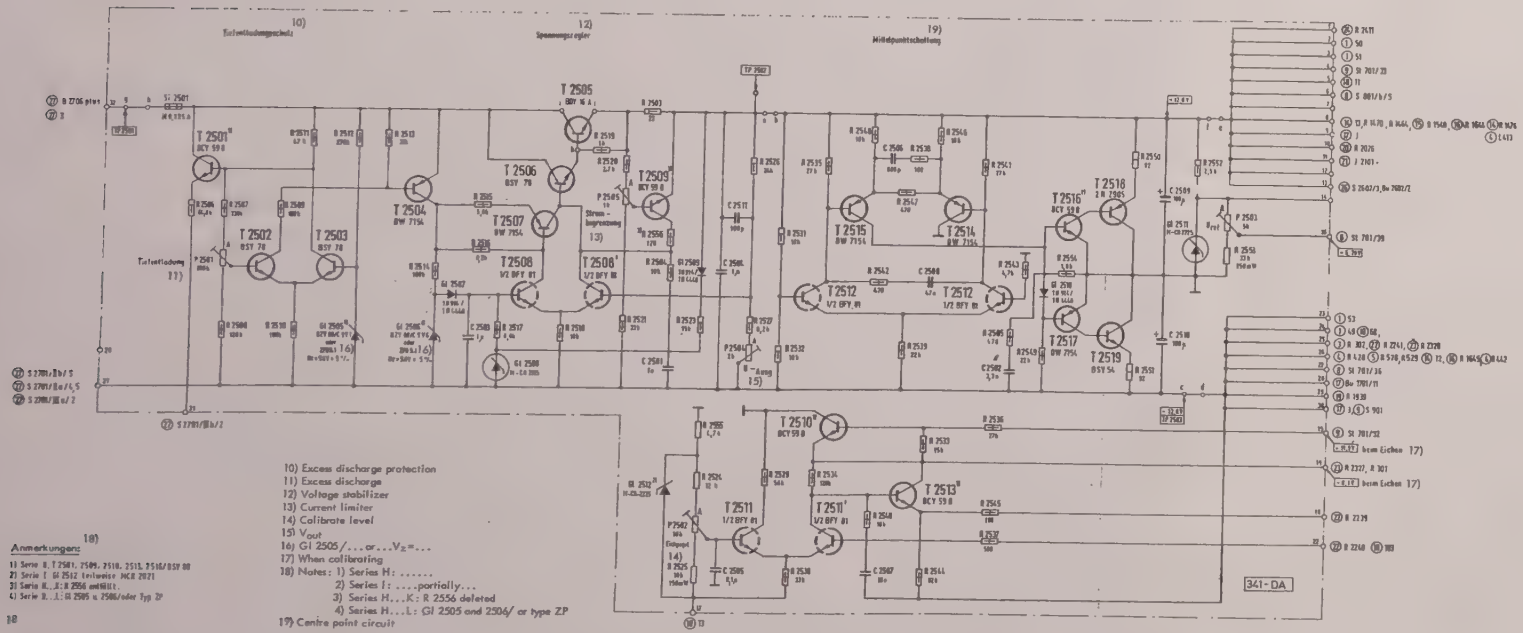


10) Ferrite bead over feed-in conductor see circuit diagram (22)
11) 48 MHz band-stop filter
12) Calibration mixer
13) Buffer stage
14) (A) only when calibrating



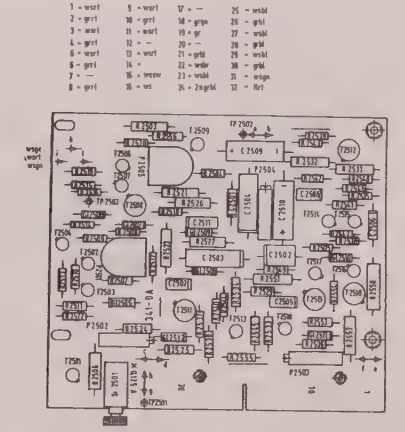
Trennstufen für Fremdsteuerung SPM-6
Buffer Stages for Remote Control BN 341/4 (24)

Eichmischer, Trennstufe SPM-6
Calibration Mixer, Buffer Stage BN 341/4 (23)

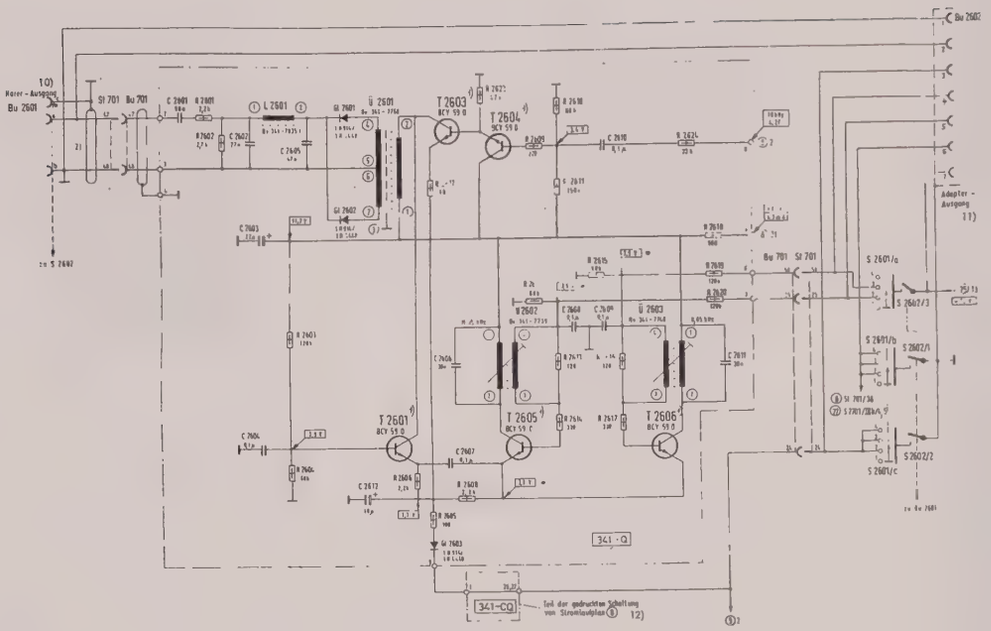


10) Excess discharge protection
11) Excess discharge
12) Voltage stabilizer
13) Current limiter
14) Calibrate level
15) V_{out}
16) GI 2505/...or...V_Z=...
17) When calibrating
18) Notes: 1) Series H: .....
2) Series I: ....partially...
3) Series H...K: R 2556 deleted
4) Series H...L: GI 2505 and 2506/ or type ZP
19) Centre point circuit

Anmerkungen:
1) Serie H, T 2501, 2509, 2510, 2513, 2516/BSY 88
2) Serie I GI 2512 teilweise MCR 2021
3) Serie H...K: R 2556 entfällt.
4) Serie H...L: GI 2505 u. 2506/oder Typ ZP



Spannungsregler SPM-6
Voltage Stabilizer BN 341/4 (25)

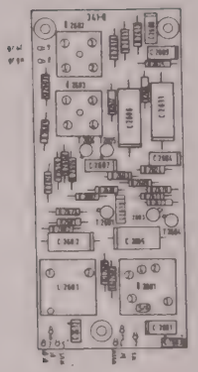


14) S 2602/1 ... 3 schließen wenn St ... in Bu 2601 gesteckt ist
Gleichspannungen gegen Masse ... messbar
15) ⊕ Spannung, wenn S 2601 in Stellung 2 bzw. 3
16) Bu / St 701 sind dargestellt in Stromlaufplan (7) (8) (9) ⊕ (26)

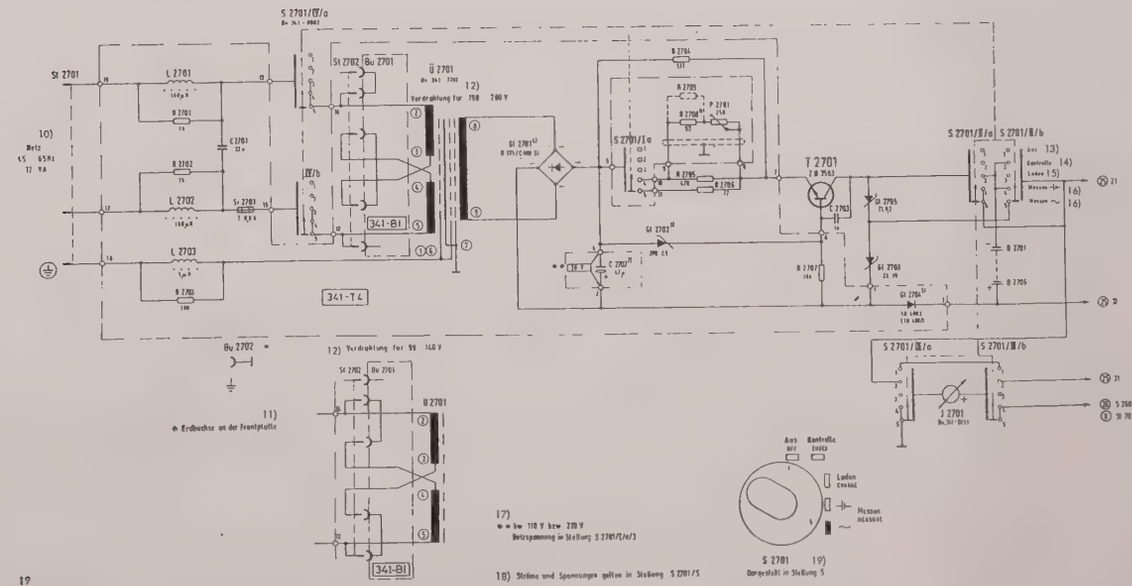
Anmerkungen: 17)

17) Note: I) Series H: .....

10) Earphone - output
11) Adapter - output
12) Part of printed circuit from circuit diagram (8)
13) Seen from soldered side
14) S 2602/1...3 are closed when St is plugged into Bu 2601
15) ⊕ Voltage when S 2601 is in position 2 or 3
16) Bu/St 701 are represented in circuit diagrams (7), (8), (9) and (26)



Demodulator-Zusatz SPM-6
Demodulator Accessory BN 341/4 (26)



17) ⊕ bei 110 V bzw. 220 V Betriebsspannung in Stellung S 2701/I/a/3

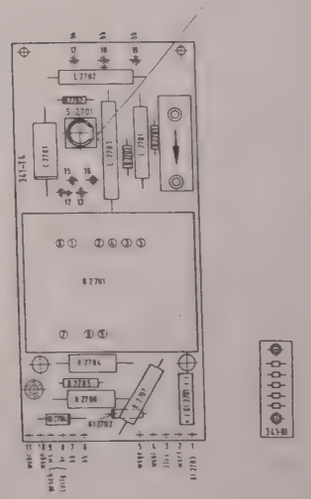
18) Ströme und Spannungen gelten in Stellung S 2701/5

Anmerkungen: 20)

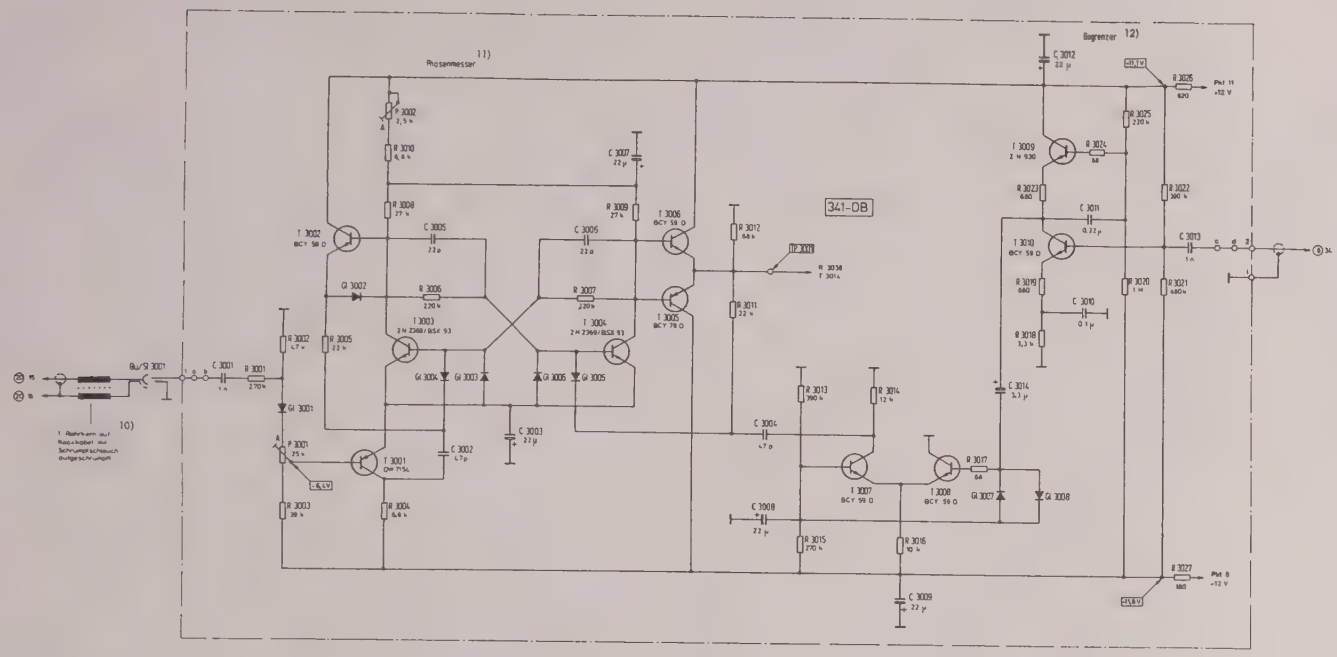
1) Serie I: R 2708/teilweise 100 Ω
2) Serie H 2, I: C 2702/50 µF
3) Serie H 2 ... L: GI 2702/ZP Typ
4) Serie H 2 ... M: GI 2701/B 125/110-0,5 Si
5) Serie H 2 ... N: GI 2704/BYY 31
6) Serie H I: P 2701/1 kΩ
7) Serie H I: R 2709/220 Ω
8) Serie H I: 341-T3

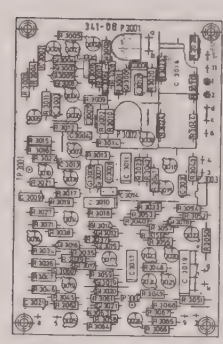
10) A.C. power 45...65 Hz 17 VA
11) ⊕ Ground terminals on front panel
12) Wiring for 99...140 V
13) OFF
14) Check
15) Charge
16) Measure
17) ⊕ at 110 V or 220 V a.c.line voltage in position S 2701/I/a/3
18) Currents and voltages valid in position S 2701/5
19) Represented in position 5
20) Notes: 1) Series I: ....partially
2) Series H 2 and I: etc.....
21) Threaded connection on this side

Gewindeanschluß an dieser Seite 21)



Netzteil SPM-6
Power Supply BN 341/4 (27)

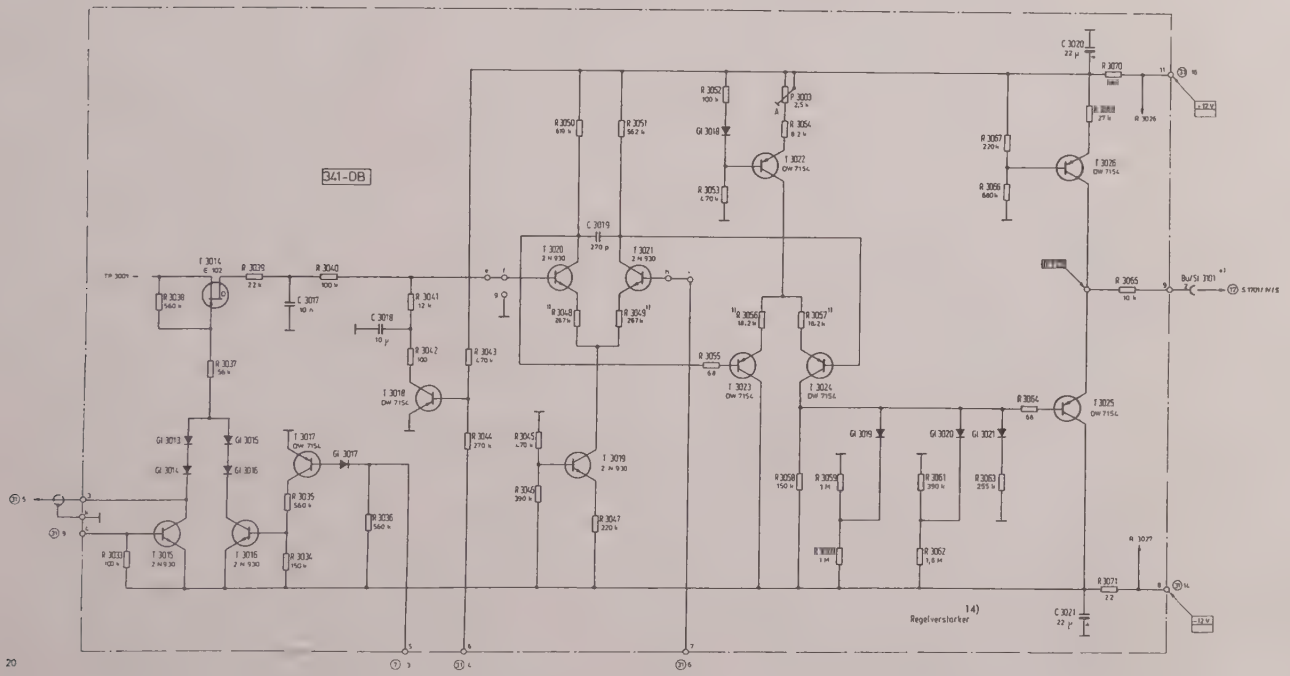




13) Alle Dioden 1 N 4148

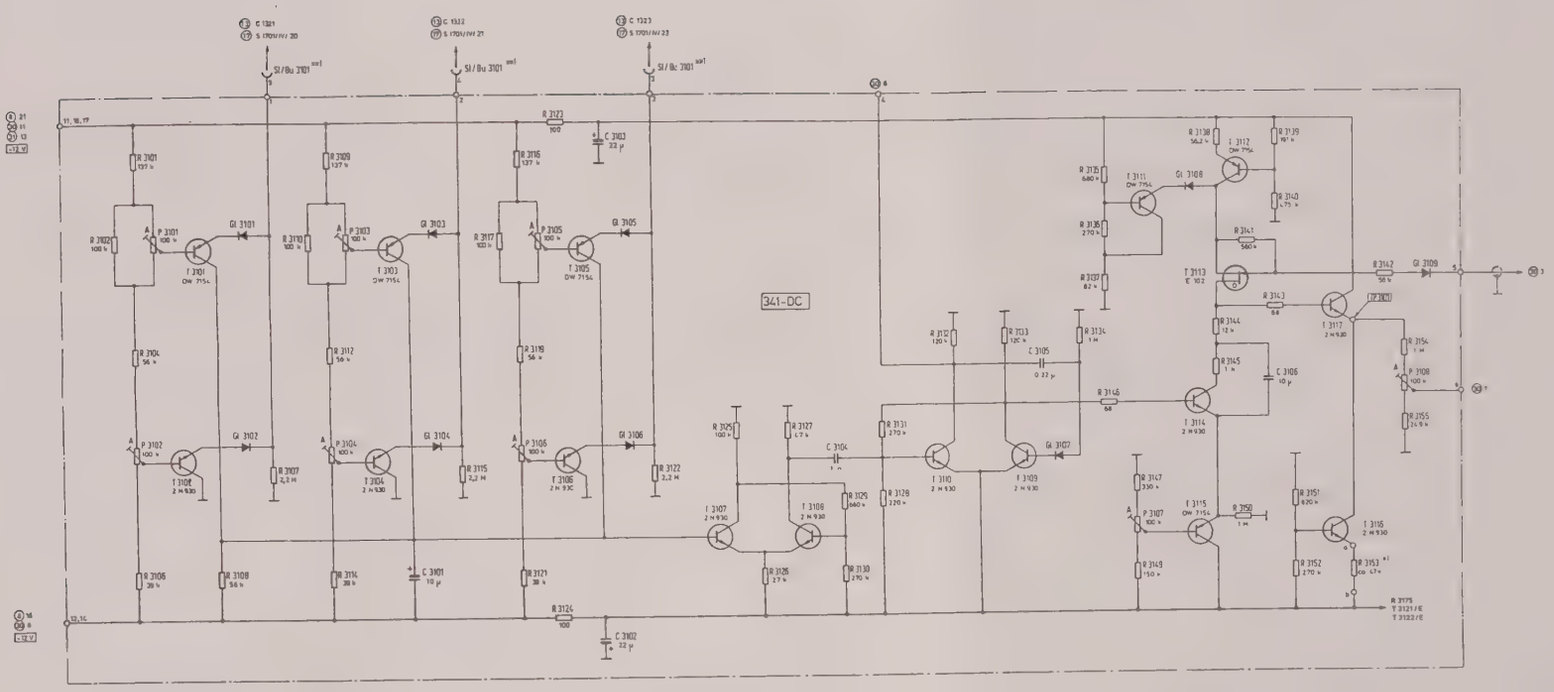
15) x) Bu 3101 siehe Stromlaufplan (9) 31

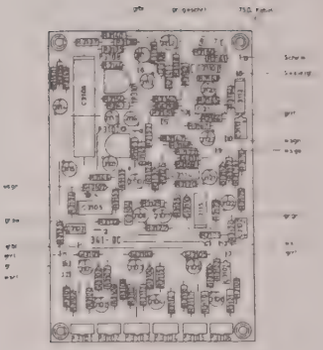
Anmerkungen: 16)
Serie H u. I: R 3048 u. 3049 / 270 Ω · R 3056 u. 3057 / 18 kΩ

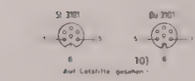


10) 1 ferrite tube
11) Phase meter
12) Limiter
13) All diodes: 1 N 4448
14) Automatic control amplifier
15) x) Bu 3101 see circuit diagram (9) 31
16) Note: I) Series H and I: ...

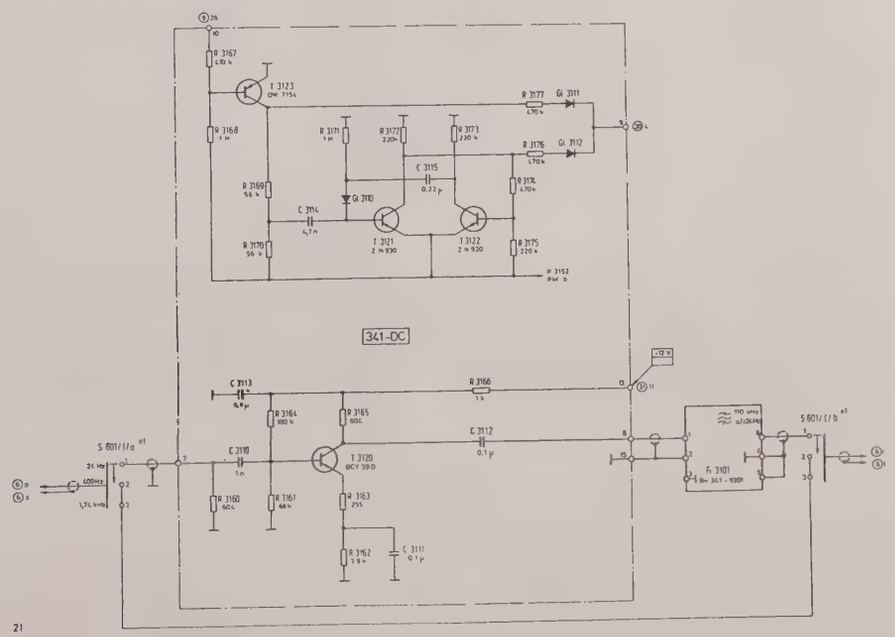
Phasenmesser, Regelverstärker SPM-6
Phase Meter, Automatic Control Amplifier BN 341/5 (30)







11) — x) Abgleichwert
12) — xx) Bu 3101 siehe auch Stromlaufplan 9, 30
13) — Alle Dioden: 1 N 4448
14) — a) S 601 siehe auch Stromlaufplan 6, 9



10) Seen from solder terminals
11) x) alignment value
12) xx) Bu 3101 also see circuit diagram 9, 30
13) All diodes: 1 N 4448
14) a) S 601 also see circuit diagram 6, 9

Ziehbereichbegrenzung, Suchschaltung SPM-6
Pulling Range Limiter, Search Circuit BN 341/5 (31)

Reihenfolge der Schaltteillisten (Sequence of the Parts lists) SPM-6

Normalausführung (Standard Version): BN 341/4

Änderungen für (Modifications for): BN 341/5, BN 341/2, BN 341/6

Wörterverzeichnis Deutsch-Englisch Glossary German-English

Abgleichwert	Alignment value
Abgleichwert bei Bedarf im Prüffeld einsetzen	Alignment value, as needed, in factory test department
Abgleichwert wird evtl. vom Prüffeld eingesetzt	Alignment value, if needed, by factory test department
Achsl., Achslg.	Shaft length
Anmerkungen	Note
ausgesucht nach Bv.	Selected according to Bv.
Ausnahme Umbaugeräte BN 341/5	Except for modified equipment BN 341/5
Batterie	Battery
bearbeitet n. Zchng.	Done according to drawing
bei Bedarf	as needed
Bemerkungen	Notes
Benennung	Identification
Bestellangaben	Ordering information
Bezeichnung	Designation
blau	blue
Buchse	Connector
Buchsl.	muff (bushing) length
Dämpfungsperle	Ferrite bead
Der erforderliche L-Wert richtet sich nach dem L-Wert von Ü 102: für ...	The required L-value is selected after the L-value of Ü 102: for...
Diode	Diode
Drehko	Rotary condensor
Einschaltüberschwingung	Switching transient
Elektrische Werte	Electrical value
Elko	Electrolytic capacitor
entfällt	Deleted - (eliminated)
Glimmer-Kondens.	Mica capacitor
grün	green
G-Schmelzeinsatz	Equipment fuse element
hartvergoldet	hard gold plated
Heißleiter	NTC resistor
Hersteller	Manufacturer
in Sonderausführung anderer Wert oder entfällt	In special versions, other value or eliminated
Instrument	Meter
Ker.-Kondensator	Ceramic capacitor
Kf.-Kondensator	Metalized plastic capacitor
Kontakte (2 Ebenen) kurzschließend	Contacts (2 rows), short-circuiting
Kontakte 7 µm hartvergoldet	Contacts, hard gold plated
Metall-Schichtwiderstand mit Lötanschluß, Gehäuse Thermoplast	Metalized film resistor With soldered connection, thermo-plastic case
mit Schraubschlitz	with slotted head
mit Staubkappe	with dust cap
nach Rahmen-Bv.	according to frame-Bv.
nach Sammel-Bv.	according to collective Nr. Bv.
nach Zchng., n. Zeichng. n. Zchng.	According to drawing
nur	only
oder	or
3polig	3 contacts
Prüffeld	Test department
Quarz	Crystal
Relais	Relay
Ringkern	Ferrite bead
Rohrkern	Ferrite tube
Schalter	Switch
Schichtdrehwiderstand	Adjustable film resistor
Schichtwiderstand	Film resistor
Serie	Series
Spindelwiderstand	Multiturn adjustable resistor, axial
sprungfest	non-skip
Spule	Coil
Stck.	Piece
Stecker	Plug
Teil	Part
teilweise	Partial
Transistor	Transistor
Trimmer	Trimmer
Übertrager	Transformer
Wahlweise nach Bv. oder ...	Chosen according to Bv. ... or...
wie Normalausführung	As with normal version
wird nach Kundenwunsch festgelegt entsprechend Quarz-Sammel-Bv. ... und ...	Determined by customers' choice, Corresponds to crystal collective Nr. Bv. ... and
zusätzlich	Additionally

Selective Level Meter SPM-6

Operating Instructions

LEVEL INDICATION AND READING

Meter
Linear scale calibration from ~ 2.2 to + 0.3 dBm. Battery check field "blue".

Meter range switch
Position "x 1": indicated value.
Position "x 10": multiply the indicated value by 10.
Position "x 1 slow": the meter is damped.

Measured level
= Selected measuring range + meter reading (x 1 or x 10 according to meter range switch position).

OVERLOAD CHECK BUTTON

After depressing this button it is possible to establish if the measuring signal is overloading the level meter. The level reading will vary rhythmically if an overload condition is present, whereby the measuring range should be changed.

BANDWIDTH CHANGE-OVER SWITCH

Selection of the effective noise bandwidth of either 0.4 kHz or 1.74 kHz.

FREQUENCY TUNING AND DISPLAY

The coarse frequency selection is made with the frequency range switch in steps of 1 MHz. 3 further positions are provided for additional fixed frequencies if required.

The fine frequency selection between the 1 MHz steps is made by continuous drive. A very accurate adjustment is possible with the knob in the retracted position due to the slow-motion drive.

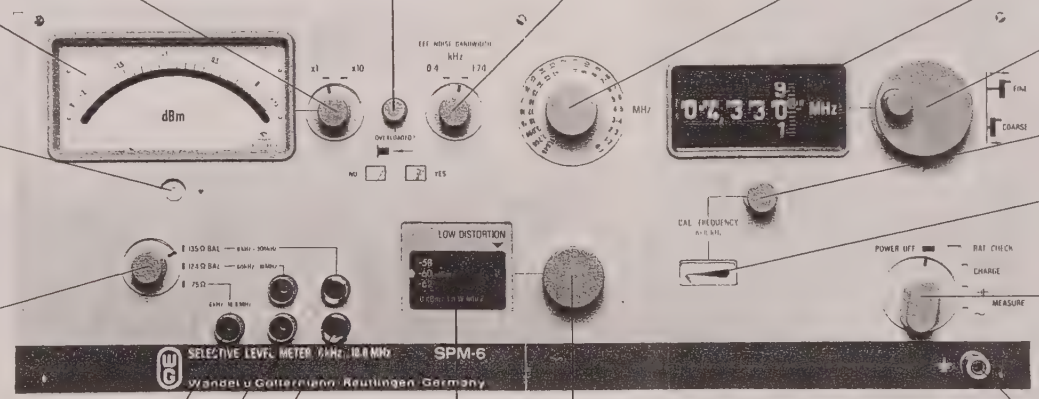
Display of the frequency setting: Last digit wheel has 200 Hz scale divisions.

MECHANICAL ZERO

To calibrate the meter with instrument switched off. Pointer should coincide with "▼" marker.

FREQUENCY CALIBRATION

Calibration of the frequency setting with a phase-locked 10 kHz spectrum.
After setting the frequency tuning to an integer of 10 kHz, bring the tuning meter to minimum reading (fully left) with the frequency calibration.



INPUT SELECTOR SWITCH

3 switch positions: 135 Ω balanced
124 Ω balanced
75 Ω coaxial

POWER MODE SWITCH

Off: AC line and battery switched off.
Check: Battery voltage test under load. Battery is sufficiently charged if pointer indicates blue field.
Charge: Battery charge when AC line connected; charge period approx. 14 hours.
Measure⎓: Battery operation; operating period 5 hours. If AC line connected, trickle charge. Instrument switched off automatically if battery voltage is insufficient.
Measure~: AC line operation.

INPUTS

Coaxial measurements in the frequency range 6 kHz to 18.6 MHz at Z_{in} = 75 Ω
Balanced measurements in the frequency range 60 kHz to 10 MHz at Z_{in} = 124 Ω
Balanced measurements in the frequency range 6 kHz to 300 kHz at Z_{in} = 135 Ω

MEASURING RANGE

Reading: Voltage values are valid at a 0 dBm meter reading. | Adjustment in 2 dBm steps.

Low distortion ranges are indicated by colour symbols.

GROUND CONNECTION

Caution! Instrument should be grounded when DC component voltage is over 42 V.

CONNECTIONS AND SWITCHES ON THE REAR PANEL

AC line connection. Control connection to PS-6.
DC output: Voltage is proportional to meter pointer deflection.
Demodulation mode switch:
1. Demodulator off
2. Lower sideband
3. Upper sideband
4. Double sideband

Headset output: The demodulated receive signal is available at this socket. The automatic calibration is inoperative if this socket is occupied.
Adapter output: For remote control of the demodulator.

0.1.7.68/1677

Teil	Stck	Bezeichnung	Elektrische Werte	Bestellangaben Benennung	Hersteller, Anmerkgn
R 101	1	Schichtwiderstand	33 k / 5 % / 0,25 W / K1 2	WW 18 / 3 / 1	
R 102	1	Schichtwiderstand	33 Ω / 5 % / 0,25 W / K1 2	WW 18 / 3 / 1	
R 103	1	Schichtwiderstand	33 Ω / 5 % / 0,25 W / K1 2	WW 18 / 3 / 1	341/2/6 *)
R 104	1	Schichtwiderstand	33 Ω / 5 % / 0,25 W / K1 2	WW 18 / 3 / 1	341/2/6 *)
R 105	1	Schichtwiderstand	33 Ω / 5 % / 0,25 W / K1 2	WW 18 / 3 / 1	
R 106	1	Schichtwiderstand	33 Ω / 5 % / 0,25 W / K1 2	WW 18 / 3 / 1	
R 107	1	Schichtwiderstand	33 Ω / 5 % / 0,25 W / K1 2	WW 18 / 3 / 1	
R 108	1	Schichtwiderstand	33 k / 5 % / 0,25 W / K1 2	WW 18 / 3 / 1	341/2/6 *)
R 109	1	Schichtwiderstand	33 Ω / 5 % / 0,25 W / K1 2	WW 18 / 3 / 1	
R 110	1	Schichtwiderstand	47 Ω / 5 % / 0,25 W / K1 2	WW 18 / 3 / 1	
R 111	1	Schichtwiderstand	33 Ω / 5 % / 0,25 W / K1 2	WW 18 / 3 / 1	
R 112	1	Schichtwiderstand	47 k / 5 % / 0,25 W / K1 2	WW 18 / 3 / 1	
R 113	1	Schichtwiderstand	47 Ω / 5 % / 0,25 W / K1 2	WW 18 / 3 / 1	
R 114	1	Schichtwiderstand	47 Ω / 5 % / 0,25 W / K1 2	WW 18 / 3 / 1	
R 115	1	Schichtwiderstand	33 k / 5 % / 0,25 W / K1 2	WW 18 / 3 / 1	
R 116	1	Schichtwiderstand	33 k / 5 % / 0,25 W / K1 2	WW 18 / 3 / 1	
R 117	1	Metall - Schichtwiderstand	300 Ω / 0,1 % / 0,4 W	HFC 1413	RIG
R 118	1	Metall - Schichtwiderstand	780 k / 0,5% / 0,5W / TK 50	MLAD	341/2/6 *) Steeag
R 119	1	Metall - Schichtwiderstand	487,5 k / 0,5% / 0,5W / TK 50	MLAD	Steeag
R 120	1	Schichtwiderstand	33 k / 5 % / 0,25 W / K1 2	WW 18 / 3 / 1	
R 121	1	Metall - Schichtwiderstand	169,7 Ω / 0,1 % / 0,4 W	HFC 1413	RIG
R 122	1	Metall - Schichtwiderstand	1,5216 kΩ / 0,5% / 0,5W / TK 50	MLAD	341/2/6 *) Steeag
R 123	1	Metall - Schichtwiderstand	1,35 kΩ / 0,5% / 0,5W / TK 50	MLAD	Steeag
R 124	1	Schichtwiderstand	47 k / 5 % / 0,25 W / K1 2	WW 18 / 3 / 1	
R 125	1	Metall - Schichtwiderstand	152,32 Ω / 0,1 % / 0,4 W	HFC 1413	341/2/6 *) RIG
R 126	1	Schichtwiderstand	33 Ω / 5 % / 0,25 W / K1 2	WW 18 / 3 / 1	
R 127	1	Metall - Schichtwiderstand	715 Ω / 0,5% / 0,5W / TK 50	MLAD	341/2/6 *) Steeag
R 128	1	Schichtwiderstand	33 Ω / 5 % / 0,25 W / K1 2	WW 18 / 3 / 1	
R 129	1	Metall - Schichtwiderstand	1,35 kΩ / 0,5% / 0,5W / TK 50	MLAD	341/2/6 *) Steeag
R 130	1	Metall - Schichtwiderstand	3C7,0 Ω / 0,5% / 0,5W / TK 50	MLAD	341/2/6 *) Steeag
R 131	1	Metall - Schichtwiderstand	307,5 Ω / 0,5% / 0,5W / TK 50	MLAD	341/2/6 *) Steeag
R 132	1	Schichtwiderstand	625 Ω / 1 % / 0,33 W / K1 0,5	Lv. 18 / 1 / 3	341/2/6 *)
R 133	1	Schichtwiderstand	68 Ω / 5 % / 0,25 W / K1 2	WW 18 / 3 / 1	
R 134	1	Schichtwiderstand	120 k / 5 % / 0,25 W / K1 2	WW 18 / 3 / 1	*)
R 135	1	Schichtwiderstand	10 kΩ / 1 % / 0,25 W / K1 0,5	Lv. 18 / 1 / 3	
R 136	1	Schichtwiderstand	68 k / 5 % / 0,25 W / K1 2	WW 18 / 3 / 1	
R 137	1	Schichtwiderstand	68 Ω / 5 % / 0,25 W / K1 2	WW 18 / 3 / 1	*)
R 138	1	Metall - Schichtwiderstand	75 Ω / 1 % / 150 mW	HFC 0803	RIG
R 139	1	Schichtwiderstand	17 kΩ / 5 % / 0,25 W / K1 2	WW 18 / 3 / 1	
R 140	1	Schichtwiderstand	10 kΩ / 5 % / 0,25 W / K1 2	WW 18 / 3 / 1	
R 141	1				
R 142	1	Schichtwiderstand	39 Ω / 5 % / 0,25 W / K1 2	WW 18 / 3 / 1	
R 143	1	Schichtwiderstand	47 k / 5 % / 0,25 W / K1 2	WW 18 / 3 / 1	
R 144	1	Schichtwiderstand	18,3440 Ω / 1 % / 0,25 W / K1 0,5	Lv. 18 / 1 / 3	341/1 *)
R 145	1	Schichtwiderstand	39 kΩ / 1 % / 0,25 W / K1 0,5	Lv. 18 / 1 / 3	
R 146	1	Schichtwiderstand	39 kΩ / 1 % / 0,25 W / K1 0,5	Lv. 18 / 1 / 3	
R 147	1	Schichtwiderstand	2,56 kΩ / 1 % / 0,25 W / K1 0,5	Lv. 18 / 1 / 3	341/1 *)
R 148	1	Schichtwiderstand	610 Ω / 1 % / 0,25 W / K1 0,5	Lv. 18 / 1 / 3	341/1 *)
R 149	1	Schichtwiderstand	124,8 Ω / 1 % / 0,25 W / K1 0,5	Lv. 18 / 1 / 3	341/1 *)
R 150	1	Schichtwiderstand	47 Ω / 5 % / 0,25 W / K1 2	WW 18 / 3 / 1	

*) in Sonderausführung anderer Wert oder entfällt.

Teil	Stck	Bezeichnung	Elektrische Werte	Bestellangaben Benennung	Hersteller, Anmerkgn
R 151	1	Schichtwiderstand	47 Ω / 5 % / 0,25 W / K1 2	WW 18 / 3 / 1	
R 152	1	Schichtwiderstand	47 k / 5 % / 0,25 W / K1 2	WW 18 / 3 / 1	
R 153					
R 154					
R 155					341/2
R 156					
R 157	1	Schichtwiderstand	47 Ω / 5 % / 0,25 W / K1 2	WW 18 / 3 / 1	
R 158	1	Schichtwiderstand	47 Ω / 5 % / 0,25 W / K1 2	WW 18 / 3 / 1	
R 159	1	Schichtwiderstand	68 kΩ / 5 % / 0,25 W / K1 2	WW 18 / 3 / 1	
R 160	1	Schichtwiderstand	68 kΩ / 5 % / 0,25 W / K1 2	WW 18 / 3 / 1	
R 161					
R 162					
R 163					
R 164					341/2/6
R 165					
R 166					
R 167					
R 168	1	Schichtwiderstand	33 Ω / 5 % / 0,25 W / K1 2	WW 18 / 3 / 1	
R 169	1	Schichtwiderstand	33 Ω / 5 % / 0,25 W / K1 2	WW 18 / 3 / 1	
R 170	1	Schichtwiderstand	100 Ω / 5 % / 0,25 W / K1 2	WW 18 / 3 / 1	
R 171					
R 172					
R 173					341 / 1 u. 6
R 174					
R 175					
P 101	1	Schichtdrehwiderst.	1 kΩ / 0,5 W / lin	WW 17 / 2 / B	
P 102	1	Schichtdrehwiderst.	100 Ω / 1 W / lin	68 Tr - k - P Nr. 8740	Steeag
C 101	1	Kf. - Kondensator	10 nF / 20 % / 630 V -	WK 110 / 3 / 7	
C 102	1	Kf. - Kondensator	10 nF / 20 % / 630 V -	WK 110 / 3 / 7	341/2/6 *)
C 103	1	Kf. - Kondensator	10 nF / 20 % / 630 V -	WK 110 / 3 / 7	
C 104	1	Kf. - Kondensator	10 nF / 20 % / 630 V -	WK 110 / 3 / 7	
C 105	1	Kf. - Kondensator	10 nF / 20 % / 630 V -	WK 110 / 3 / 7	
C 106	1	Kf. - Kondensator	10 nF / 20 % / 630 V -	WK 110 / 3 / 7	
C 107	1	Kf. - Kondensator	10 nF / 20 % / 630 V -	WK 110 / 3 / 7	341/2/6 *)
C 108	1	Kf. - Kondensator	10 nF / 20 % / 630 V -	WK 110 / 3 / 7	
C 109	1	Kf. - Kondensator	10 nF / 20 % / 630 V -	WK 110 / 3 / 7	
C 110	1	Kf. - Kondensator	10 nF / 20 % / 630 V -	WK 110 / 3 / 7	
C 111	1	Kf. - Kondensator	0,1 µF / 20 % / 100 V -	WK 110 / 3 / 7	
C 112	1	Ker - Kondensator	12 pF / 5 % /	WK 111 / 2 / 3	341/2/6 *)
C 113	1	Ker - Kondensator	5,1 pF / ± 0,5 pF / 500 V -	WK 110 / 2 / 3	341/2/6 *)
C 114	1	Trimmer	3 ... 9 pF / ¶ 075	7 5 - Trike 06	341/2/6 *) Stettner u. Co.
C 115	1	Ker - Kondensator	27 pF / 2 % /	WK 110 / 2 / 3	341/2/6 *)
C 116	1	Kf. - Kondensator	2,2 µF / 10 % / 250 V -	B 32 231 - A 3225 - K	341/2/6 *) Siemens
C 117	1	Ker - Kondensator	4,7 nF / +50 -20 % / 500 V	WK 110 / 2 / 52	

*) in Sonderausführung anderer Wert oder entfällt.

Fortsetzung (continued)

Teil	Stck	Bezeichnung	Elektrische Werte	Bestellangaben Benennung	Hersteller, Anmerkgn
C 132	1	Kf. - Kondensator	0,1 nF / 10 % / 250 V ~	MKT 1813 - 410 / 2	ERO 341/2/5 •)
C 133	1	Ker - Kondensator	22 pF / 2, % /	WN 110 / 2 / 3	1)
C 134	1	Trimmer	3,...9 pF ... 075	7 S - Triko 06	Stettner u. Co •)
C 135	1	Ker - Kondensator	4,7 nF / +50 -20 % / 500 V ~	WN 110 / 2 / 52	
C 136	1	Ker - Kondensator	1 nF / +100 -20 % / -	WN 110 / 2 / 3	
C 137	1	Ker - Kondensator	4,7 nF / +50 - 20 % / 500 V ~	WN 110 / 2 / 52	
C 138	1	Trimmer	1 ... 6 pF / ... 075	R - Trikо 109 - 01 M	Stettner u. Co
C 139	1	Trimmer	1 ... 6 pF / ... 075	R - Trikо 109 - 01 M	Stettner u. Co
C 140	1	Trimmer	1 ... 6 pF / ... 075	R - Trikо 109 - 01 M	Stettner u. Co
C 141	1	Glimmer - Kondens.	50 pF / 5 % / 300 V ~	Bf. 49,14 - 4	Jahre 341/1 •)
C 142	1	Glimmer - Kondens.	330 pF / 5 % / 300 V ~	Bf. 49,14 - 4	Jahre 341/1 •)
C 143	1	Glimmer - Kondens.	820 pF / 5 % / 300 V ~	Bf. 49,14 - 4	Jahre 341/1 •)
C 144	1	Ker - Kondensator	4,7 nF / +50 -20 % / 500 V ~	WN 110 / 2 / 52	
C 145	1	Ker - Kondensator	4,7 nF / +50 -20 % / 500 V ~	WN 110 / 2 / 52	
C 146	1	Ker - Kondensator	4,7 nF / +50 -20 % / 500 V ~	WN 110 / 2 / 52	
C 147	1	Ker - Kondensator	5,1 pF / ± 0,5 pF /	W N 110 / 2 / 3	341/2 •)
C 148	1	Ker - Kondensator	5,1 pF / ± 0,5 pF /	W N 110 / 2 / 3	341/2/6 •)
C 149	1	Ker - Kondensator	27 pF / 2 % /	W N 110 / 2 / 3	341/2/6 •)
C 150	1	Ker - Kondensator	4,7 nF / +50 -20 % / 500 V ~	WN 110 / 2 / 52	
C 151	1	Ker - Kondensator	1 nF / +100 -20 % /	WN 110 / 2 / 3	
C 152					
C 153					
C 154					
C 155					
C 156					
C 157	1	Elko	1 µF / 20 % / 35 V ~	WN 110 / 5 / 61	
C 158	1	Elko	10 µF / 20 % / 20 V ~	WN 110 / 5 / 61	
C 159	1	Kf.- Kondensator	0,47 µF / 20 % / 100 V ~	WN 110 / 3 / 7	Ero
C 160	1	Elko	10 µF / 20 % / 20 V ~	WN 110 / 5 / 61	
C 161	1	Kf.- Kondensator	0,47 µF / 20 % / 100 V ~	WN 110 / 3 / 7	Ero
C 162	1	Kf.- Kondensator	0,1 µF / 20 % / 100 V ~	WN 110 / 3 / 7	
C 163	1	Kf.- Kondensator	0,1 µF / 20 % / 100 V ~	WN 110 / 3 / 7	
C 164	1	Kf.- Kondensator	0,1 µF / 20 % / 100 V ~	WN 110 / 3 / 7	
C 165	1	Elko	1 µF / 20 % / 35 V ~	WN 110 / 5 / 61	
C 166					341/2/6
C 167					

Teil	Stck	Bezeichnung	Elektrische Werte	Bestellangaben Benennung	Hersteller, Anmerkgn
C 168					
C 169					
C 170					341/2 u. 6
C 171					
G1 101	1	Diode		1 N 914 / 1 N 4448	
G1 102	1	Diode		1 N 914 / 1 N 4448	
G1 103	1	Diode		ZP 15	Intermet.!!
G1 104	1	Diode		1 N 914 / 1 N 4448	
T 101	1	Transistor		DW 7154	
T 102	1	Transistor		DW 7154	
Ü 101	1	Übertrager		Bv. 341 - 7771	341/2/6
Ü 102					341/2/6
L 101	1	Spule		Bv. 341 - 7887	341/2/6 •)
L 102	1	Spule		Bv. 341 - 7777,2	
L 103	1	Spule		Bv. 341 - 7877,1	341/2/6 •)
L 104	1	Spule		2 WN 117 / 1 / 1	
L 105	1	Spule	40 µH / 0,2 A	B 82 501 - A - C 7	Siemens
L 106	1	Spule	40 µH / 0,2 A	B 82 501 - A - C 7	Siemens
L 107	1	Spule	40 µH / 0,2 A	B 82 501 - A - C 7	Siemens
L 108	1	Spule	0,47 µH	No. 1537 - 06	Belevan
L 109	1	Spule		Bv. 341 - 7873	
L 110					341/2 u. 6
L 113					
Bu 101	1	Buchse		Bnt 9 B WN 119 / 9 / 4	341/2/3/6 •)
Bu 102	1	Buchse	3 polig	WN 119 / 1 / 5	341/2/6 •)
Bu 103					341/2/6
Bu 104					
Bu 105					
St 101	1	Stecker		WN 119 / 8 / 1	
Rel 101	1	Relais		Bv. 341 - 8203.3	
Rel 102	1	Relais		Bv. 341 - 8203.3	341/2/6 •)
Rel 103	1	Relais		Bv. 341 - 8207	341/2/6 •)
Rel 104	1	Relais		EM 22 C1 535	Schaltbau
Rel 105	1	Relais		Bv. 341 - 8202.1	
Rel 106	1	Relais		Bv. 341 - 8202.1	
Rel 107	1	Relais		EM 22 C1 535 - 4	Schaltbau
Rel 108	1	Relais		Bv. 341 - 8205.3	
Rel 109	1	Relais		Bv. 341 - 8205.3	
S 101	1	Schalter	6 x 2 Kontakte, Kurzschließend Kontakte 7 µm hartvergoldet	Typ 1776 k Achsl.: 20 mm	341/2/6 •) SEL
S 102	1	Schalter		Bv. 341 - 8001	341/2/6 •)

Serie ...1: 4) 27 pF

•) in Sonderausführung anderer Wert

•) in Sonderausführung anderer Wert oder entfällt

Eingangsteil dB/dBm, dBm SPM-6
Input Circuit dB/dBm, dBm BN 341/4 (1)

Teil	Stck	Bezeichnung	Elektrische Werte	Bestellangaben Benennung	Hersteller, Anmerkgn
R 201	1	Schichtwiderstand	13,7 kΩ / 1 % / KI 0,5 / 0309	WN 18 / 1 / 3	3)
R 202					
R 203	1	Schichtwiderstand	71,5 kΩ / 1 % / KI 0,5 / 0309	WN 18 / 1 / 3	4)
R 204	1	Schichtwiderstand	34,8 kΩ / 1 % / KI 0,5 / 0309	WN 18 / 1 / 3	5)
R 205	1	Heißleiter	5 kΩ / 10% / TK 3,8 % / °C	K 1140 63011-K 502-K	Siemens
R 206	1	Schichtwiderstand	97,6 kΩ / 1 % / KI 0,5 / 0309	WN 18 / 1 / 3	9)
R 207	1	Schichtwiderstand	46,4 Ω / 1 % / TK 50 / 0207	WN 18 / 4 / 1	1)
R 208	1	Schichtwiderstand	46,4 Ω / 1 % / TK 50 / 0207	WN 18 / 4 / 1	1)
R 209	1	Schichtwiderstand	100 Ω / 5 % / 0,25 W / KI 2	W N 18 / 3 / 1	
R 210	1	Schichtwiderstand	3,32 kΩ / 1 % / TK 50 / 0207	WN 18 / 4 / 1	2)
R 211	1	Schichtwiderstand	100 Ω / 5 % / 0,25 W / KI 2	W N 18 / 3 / 1	
R 212	1	Schichtwiderstand	301 Ω / 1 % / KI 0,5 / 0309	WN 18 / 1 / 3	6)
R 213	1	Schichtwiderstand	316 Ω / 1 % / KI 0,5 / 0309	WN 18 / 1 / 3	11)7)
R 214	1	Schichtwiderstand	316 Ω / 1 % / KI 0,5 / 0309	WN 18 / 1 / 3	11)7)
R 215	1	Schichtwiderstand	301 Ω / 1 % / KI 0,5 / 0309	WN 18 / 1 / 3	6)
R 216	1	Schichtwiderstand	10 Ω / 5 % / 0,25 W / KI 2	W N 18 / 3 / 1	
R 217	1	Schichtwiderstand	10 Ω / 5 % / 0,25 W / KI 2	W N 18 / 3 / 1	
R 218	1	Schichtwiderstand	237 Ω / 1 % /KI.0,5/0309	W N 18 / 3 / 1	
R 219	1	Schichtwiderstand	237 Ω / 1 % /KI.0,5/0309	W N 18 / 3 / 1	
R 220	1	Schichtwiderstand	121 Ω / 1 % / KI.0,5 / 0309	WN 18 / 1 / 3	8)
R 221	1	Schichtwiderstand	121 Ω / 1 % / KI.0,5 / 0309	WN 18 / 1 / 3	8)
R 222					
R 228					
R 229	1	Schichtwiderstand	68 Ω / 1 % / TK 50 / 0207	WN 18 / 4 / 1	10)

Serie ...N: 1) LCA 0309 / 47 Ω 2) LCA 0309 / 3,3 kΩ Serie ...I: 3) 33,5 kΩ 4) 70,8 kΩ 5) 35,7 kΩ 6) 300 Ω 7) 390 Ω 8) 120 Ω 9) 97,5 kΩ 10) Serie ...N: entfällt. Serie K u. L 1: 11) 392 Ω

Teil	Stck	Bezeichnung	Elektrische Werte	Bestellangaben Benennung, Hersteller	zu-sätzlich	entfällt	Bemerkungen
R 222	1	Schichtwid.	35,7 W / 1 % /KI.0,5/0309	WN 18 / 1 / 3	x		
R 223	1	Schichtwid.	35,7 W / 1 % /KI.0,5/0309	WN 18 / 1 / 3	x		
R 224	1	Schichtwid.	5,6 kΩ / 5 % / KI. 2/0309	WN 18 / 3 / 1	x		
R 225	1	Schichtwid.	383 Ω / 1 % /KI.0,5/0309	WN 18 / 1 / 3	x		
R 226	1	Schichtwid.	68 kΩ / 5 % / KI.2 /0309	WN 18 / 3 / 1	x		
R 227	1	Schichtwid.	100 W / 5 % / KI.2 /0309	WN 18 / 3 / 1	x		
R 228	1	Schichtwid.	82 kΩ / 5 % / KI.2 /0309	WN 18 / 3 / 1	x		

Teil	Stck	Bezeichnung	Elektrische Werte	Bestellangaben Benennung	Hersteller, Anmerkgn
R 230	1	Schichtwiderstand	680Ω / 1 % / TK 50 / 0207	WN 18 / 4 / 1	2)
P 201	1	Schichtdrehwiderst.	250 Ω / 0,5 W / Tin	T W N 17 / 2 / 8	3)
P 202	1	Schichtdrehwiderst.	250 Ω / 0,5 W / Tin	T W N 17 / 2 / 8	
C 201					
C 202					
C 203	1	Kf. - Kondensator	0,1 µF / 20 % / 100 V -	W N 110 / 3 / 7	
C 204	1	Kf. - Kondensator	0,1 µF / 20 % / 100 V -	W N 110 / 3 / 7	
C 205	1	Kf. - Kondensator	0,22 µF / 20 % / 100 V -	W N 110 / 3 / 7	
C 206	1	Kf. - Kondensator	0,22 µF / 20 % / 100 V -	W N 110 / 3 / 7	
C 207	1	Elko	22 µF / 20 % / 6,3 V -	WN 110 / 5 / 61	
C 208	1	Trimmer	10 / 40 pF K 750	W N 111 / 1 / 2	
C 209	1	Ker - Kondensator	27 pF / 2 %	WN 110 / 2 / 3	
C 210	1	Kf. - Kondensator	0,22 µF / 20 % / 100 V -	W N 110 / 3 / 7	
C 211	1				
C 212	1	Kf. - Kondensator	0,22 µF / 20 % / 100 V -	W N 110 / 3 / 7	
C 213	1	Ker. - Kondensator	55 pF / 1 % / 400 V -	N 150 / 13 ROQU 3 x 14	Valvo
C 214	1	Ker. - Kondensator	5,1 pF / ± 0,5 pF	WN 110 / 2 / 3	
C 215	1	Ker. - Kondensator	97 pF 1 % / 400 V	N 150 / 13 ROQU 3 x 18	Valvo
C 216	1	Ker. - Kondensator	32 pF / 1 % / 400 V -	N 150 / 13 ROQU 3 x 12	Valvo
C 217	1	Ker. - Kondensator	76 pF / 1 % / 400 V -	N 150 / 13 ROQU 3 x 16	Valvo
C 218	1	Ker. - Kondensator	44 pF / 1 % / 400 V -	N 150 / 13 ROQU 3 x 12	Valvo
C 219	1	Ker. - Kondensator	85 pF / 1 % / 400 V -	N 150 / 13 ROQU 3 x 18	Valvo

2) Serie ...N: entfällt Serie ...I: 3) 100 Ω

Teil	Stck	Bezeichnung	Elektrische Werte	Bestellangaben Benennung	Hersteller, Anmerkgn
C 220	1	Ker.-Kondensator	15 pF / 2 % / 400 V -	N 150 / 18 ROQU 3 x 10	Valvo
C 221	1	Ker.-Kondensator	63 pF / 1 % / 400 V -	N 150 / 18 ROQU 3 x 16	Valvo
C 222	1	Elko	22 µF / 20 % / 6,3 V -	WN 110 / 5 / 61	
C 223	1	Elko	22 µF / 20 % / 6,3 V -	WN 110 / 5 / 61	
C 224	1	Kf - Kond.	150 pF / 2 % / 160 V -	WN 110 / 3 / 1 4)	Serie N u. I: 1) 120 pF
C 225	1	Kf - Kond.	150 pF / 2 % / 160 V -	WN 110 / 3 / 1 4)	
C 226	1	Elko	6,8 µF / 20 % /20 V - -	WN 110 / 5 / 61	
C 227	1	Kf - Kond.	10 nF / 20 % / 630 V -	WN 110 / 3 / 7	
C 228	1	Kf - Kond.	0,1 µF / 20 % /100 V -	WN 110 / 3 / 7	
L 201	1	Spule		Bv. 341 - 7891.1	
L 202	1	Spule		Bv. 341 - 7892.1	
L 203	1	Spule		Bv. 341 - 7893.1	
L 204	1	Spule		Bv. 341 - 7894.1	
Rel 201	1	Relais		Bv. 341 - 8200	
Rel 202	1	Relais		Bv. 341 - 8201.1	
G1 201	1	Diode		BAY 71	SGS
G1 202	1	Diode		BAY 71	SGS
G1 203	1	Diode		1 N 914 / 1 N 4448	
G1 204	3	Diode		1 N 4448	
T 201	1	Transistor		2 N 3947	
T 202	1	Transistor		2 N 3251	
T 203	1	Transistor		2 N 3947	
T 204	1	Transistor		2 N 3251	
T 205	1	Transistor		BCY 59 D 4)	1) Serie N: BST 80
T 206	1	Transistor		BCY 59 D 4)	
Bu 201	1	Buchse		11 W N 119 / 8 / 1	
St 201	1	Stecker		W N 119 / 8 / 1	

Eingangsverstärker, 18,6-MHz-Tiefpaß SPM-6
Input Amplifier, 18.6 MHz Low-Pass Filter BN 341/4 (2)

Teil	Stck	Bezeichnung	Elektrische Werte	Bestellangaben Benennung	Hersteller, Anmerkgn
R 301	1	Schichtwiderstand	10 Ω / 5 % / Kl 2 / 0309	WK 18 / 3 / 1	
R 302	1	Schichtwiderstand	10 Ω / 5 % / Kl 2 / 0309	WK 18 / 3 / 1	
R 303	1	Schichtwiderstand	430 Ω / 1 % / Kl 0,5 / 0309	WK 18 / 1 / 3	
R 304	1	Schichtwiderstand	4,7 kΩ / 5 % / Kl 2 / 0309	WK 18 / 3 / 1	
R 305	1	Schichtwiderstand	10 Ω / 5 % / Kl 2 / 0309	WK 18 / 3 / 1	
R 306	1	Schichtwiderstand	8,2 kΩ / 5 % / Kl 2 / 0309	WK 18 / 3 / 1	
R 307	1	Schichtwiderstand	68 Ω / 5 % / Kl 2 / 0309	WK 18 / 3 / 1	
R 308	1	Schichtwiderstand	150 Ω / 5 % / Kl 2 / 0309	WK 18 / 3 / 1	
R 309	1	Schichtwiderstand	68 Ω / 5 % / Kl 2 / 0309	WK 18 / 3 / 1	
R 310	1	Schichtwiderstand	68 Ω / 5 % / Kl 2 / 0309	WK 18 / 3 / 1	
R 311	1	Schichtwiderstand	430 Ω / 1 % / Kl 0,5 / 0309	WK 18 / 1 / 3	
R 312	1	Schichtwiderstand	220 Ω / 5 % / Kl 2 / 0309	WK 18 / 3 / 1	
R 313	1	Schichtwiderstand	1,2 kΩ / 1 % / Kl 0,5 / 0309	WK 18 / 1 / 3	
R 314	1	Schichtwiderstand	47 Ω / 5 % / Kl 2 / 0309	WK 18 / 3 / 1	
R 315	1	Schichtwiderstand	100 Ω / 5 % / Kl 2 / 0309	WK 18 / 3 / 1	
R 316	1	Schichtwiderstand	1,2 kΩ / 1 % / Kl 0,5 / 0309	WK 18 / 1 / 3	
R 317	1	Schichtwiderstand	1,2 kΩ / 1 % / Kl 0,5 / 0309	WK 18 / 1 / 3	
R 318	1	Schichtwiderstand	68 Ω / 5 % / Kl 2 / 0309	WK 18 / 3 / 1	
R 319	1	Schichtwiderstand	68 Ω / 5 % / Kl 2 / 0309	WK 18 / 3 / 1	
R 320	1	Schichtwiderstand	68 Ω / 5 % / Kl 2 / 0309	WK 18 / 3 / 1	
R 321	1	Schichtwiderstand	150 Ω / 5 % / Kl 2 / 0309	WK 18 / 3 / 1	
R 322	1	Schichtwiderstand	10 Ω / 5 % / Kl 2 / 0309	WK 18 / 3 / 1	
R 323	1	Schichtwiderstand	1,8 kΩ / 5 % / Kl 2 / 0309	WK 18 / 3 / 1	
R 324	1	Schichtwiderstand	27 kΩ / 1 % / Kl 0,5 / 0309	WK 18 / 1 / 3	
R 325	1	Schichtwiderstand	10 Ω / 5 % / Kl 2 / 0309	WK 18 / 3 / 1	
R 326	1	Schichtwiderstand	22 kΩ / 1 % / Kl 0,5 / 0309	WK 18 / 1 / 3	
R 327	1	Schichtwiderstand	10 Ω / 5 % / Kl 2 / 0309	WK 18 / 3 / 1	
R 328	1	Schichtwiderstand	18 kΩ / 1 % / Kl 0,5 / 0309	WK 18 / 1 / 3	
R 329	1	Schichtwiderstand	10 Ω / 5 % / Kl 2 / 0309	WK 18 / 3 / 1	
R 330					
R 331					
R 332	1	Schichtwiderstand	68 Ω / 1 % / Kl 0,5 / 0309	WK 18 / 1 / 3	
R 333	1	Schichtwiderstand	68 Ω / 1 % / Kl 0,5 / 0309	WK 18 / 1 / 3	
R 334	1	Schichtwiderstand	2 kΩ / 1 % / Kl 0,5 / 0309	WK 18 / 1 / 3	
R 335	1	Schichtwiderstand	33 Ω / 5 % / Kl 2 / 0309	WK 18 / 3 / 1	
R 336	1	Schichtwiderstand	820 Ω / 1 % / Kl 0,5 / 0309	WK 18 / 1 / 3	
R 337	1	Schichtwiderstand	2,2 kΩ / 5 % / Kl 2 / 0309	WK 18 / 3 / 1	
C 301	1	Ker. - Kondensator	4,7 nF / +50 – 20 % / 500 V –	WK 110 / 2 / 52	
C 302	1	Ker. - Kondensator	4,7 nF / +50 – 20 % / 500 V –	WK 110 / 2 / 52	
C 303	1	Ker. - Kondensator	12 pF / 5 % /	WK 110 / 2 / 3	
C 304	1	Ker. - Kondensator	82 pF / 2 % / 500 V –	48.10 TKD	Jahre
C 305	1	Ker. - Kondensator	5,1 nF / ± 0,5 pF /	WK 110 / 2 / 3	
C 306	1	Kf. - Kondensator	0,1 µF / 20 % / 100 V –	WK 110 / 3 / 7	
C 307	1	Kf. - Kondensator	0,1 µF / 20 % / 100 V –	WK 110 / 3 / 7	
C 308	1	Glimmer-Kondensator	82 pF / 2 % / 500 V –	48.10 TKD	Jahre
C 309	1	Ker. - Kondensator	1 nF / +100- 20 % /	WK 110 / 2 / 3	
C 310	1	Ker. - Kondensator	1 nF / +100- 20 % /	WK 110 / 2 / 3	
C 311	1	Ker. - Kondensator	12 pF / 5 % /	WK 110 / 2 / 3	
C 312					
C 313	1	Kf. - Kondensator	10 nF / 20 % / 630 V –	WK 110 / 3 / 7	
C 314	1	Kf. - Kondensator	10 nF / 20 % / 630 V –	WK 110 / 3 / 7	
C 315	1	Ker. - Kondensator	1 nF / +100- 20 % /	WK 110 / 2 / 3	
C 316	1	Kf. - Kondensator	10 nF / 20 % / 630 V –	WK 110 / 3 / 7	
C 317					
C 318	1	Glimmer-Kondensator	82 pF / 2 % / 500 V –	48.10 TKD	Jahre

Teil	Stck	Bezeichnung	Elektrische Werte	Bestellangaben Benennung	Hersteller, Anmerkgn
C 319	1	Elko	1 µF / 20 % / 35 V –	WK 810 / 5 / 61	
C 320	1	Ker. - Kondensator	4,7 nF / +50 - 20 % / 500 V –	WK 110 / 2 / 52	
C 321	1	Ker. - Kondensator	4,7 nF / +50 - 20 % / 500 V –	WK 110 / 2 / 52	
C 322	1	Ker. - Kondensator	4,7 nF / +50 - 20 % / 500 V –	WK 110 / 2 / 52	
C 323	1	Ker. - Kondensator	1 nF / +100- 20 % /	WK 110 / 2 / 3	
C 324	1	Kf. - Kondensator	10 nF / 20 % / 630 V –	WK 110 / 3 / 7	
C 325	1	Kf. - Kondensator	10 nF / 20 % / 630 V –	WK 110 / 3 / 7	
C 326	1	Kf. - Kondensator	0,1 µF / 20 % / 100 V –	WK 110 / 3 / 7	
Ü 301	1	Übertrager		Bv. 341 - 7747.1	
Ü 302	1	Übertrager		Bv. 341 - 7750	
Ü 303	1	Übertrager		Bv. 341 - 7751.1	
L 301	1	Spule	27 µH	2 WK 117./ 1 / 1	
L 302	1	Spule	1,5 µH	Bo. 1537 - 16	Beleven
L 303	1	Spule	1 µH	Bo. 1537 - 12	Beleven
L 304	1	Spule	22 µH	Bo. 1537 - 44	Beleven
L 305	1	Spule	27 µH	2 WK 117./ 1./ 1	
L 306	1	Spule	27 µH	2 WK 117./ 1./ 1	
L 307	1	Spule	27 µH	2 WK 117 / 1 / 1	
L 308	1	Spule	27 µH	2 WK 117./ 1./ 1	
L 309	1	Spule	27 µH	2 WK 117 / 1./ 1	
L 310	1	Spule	27 µH	2 WK 117 / 1./ 1	
L 311	1	Spule	27 µH	2 WK 117./ 1./ 1	
T 301	1	Transistor		BFY 90	
T 302	1	Transistor		BFY 90	
T 303	1	Transistor		BFY 84	
T 304	1	Transistor		BFY 90	
T 305	1	Transistor		BFY 90	
T 306	1	Transistor		DN 7154	
T 307	1	Transistor		DN 7154	
T 308	1	Transistor		2 N 918 / BFX 73	
Gl 301	1	Diode		hpa 5082 - 2800	Hewlett u. Packard
Gl 302	1	Diode		hpa 5082 - 2800	Hewlett u. Packard
Gl 303	1	Diode		hpa 5082 - 2800 z)	Hewlett u. Packard
Gl 304	1	Diode		hpa 5082 - 2800 z)	Hewlett u. Packard
Gl 305	1	Diode		hpa 5082 - 2800 z)	Hewlett u. Packard
Gl 306	1	Diode		hpa 5082 - 2800 z)	Hewlett u. Packard
Gl 307	1	Diode		1 N 4448	
	6	Ringkern	6x2x2, 550 N 33, µ 260 ± 20 %	B 64296 - A 0078 - A 033	Siemens

z) ausgesucht nach Bv. 341 - 9361

Mischer I SPM-6
Mixer I BN 341/4 (3)

Teil	Stck	Bezeichnung	Elektrische Werte	Bestellangaben Benennung	Hersteller, Anmerkgn
R 402	1	Schichtwiderstand	220 Ω / 5 % / 0,25 W / K1 2	W N 18 / 3 / 1	
R 403	1	Schichtwiderstand	68 Ω / 5 % / 0,25 W / K1 2	W N 18 / 3 / 1	
R 404	1	Schichtwiderstand	22 Ω / 5 % / 0,25 W / K1 2	W N 18 / 3 / 1	
R 405					
R 406	1	Schichtwiderstand	68 Ω / 5 % / 0,25 W / K1 2	W N 18 / 3 / 1	
R 407					
R 408	1	Schichtwiderstand	470 Ω / 5 % / 0,25 W / K1 2	W N 18 / 3 / 1	
R 409					
R 410	1	Schichtwiderstand	220 Ω / 5 % / 0,25 W / K1 2	W N 18 / 3 / 1	
R 411	1	Schichtwiderstand	68 Ω / 5 % / 0,25 W / K1 2	W N 18 / 3 / 1	
R 412					
R 413	1	Schichtwiderstand	120 Ω / 1 % / 0,25 W / K1 0,5	Lv. 18 / 1 / 3	
R 414	1	Schichtwiderstand	100 Ω / 5 % / 0,25 W / K1 2	W N 18 / 3 / 1	
R 415	1	Schichtwiderstand	100 Ω / 5 % / 0,25 W / K1 2	W N 18 / 3 / 1	
R 416	1	Schichtwiderstand	6,8 kΩ / 5 % / 0,25 W / K1 2	W N 18 / 3 / 1	
R 417	1	Schichtwiderstand	10 kΩ / 1 % / 0,25 W / K1 0,5	Lv. 18 / 1 / 3	
R 418	1	Schichtwiderstand	15 kΩ / 1 % / 0,25 W / K1 0,5	Lv. 18 / 1 / 3	
R 419	1	Schichtwiderstand	10 kΩ / 1 % / 0,25 W / K1 0,5	Lv. 18 / 1 / 3	
R 420	1	Schichtwiderstand	47 Ω / 5 % / 0,25 W / K1 2	W N 18 / 3 / 1	
R 421	1	Schichtwiderstand	47 Ω / 5 % / 0,25 W / K1 2	W N 18 / 3 / 1	
R 422	1	Schichtwiderstand	820 Ω / 1 % / 0,25 W / K1 0,5	Lv. 18 / 1 / 3	
R 423	1	Schichtwiderstand	1 kΩ / 5 % / 0,25 W / K1 2	W N 18 / 3 / 1	
R 424	1	Schichtwiderstand	100 Ω / 5 % / 0,25 W / K1 2	W N 18 / 3 / 1	
R 425	1	Schichtwiderstand	68 Ω / 5 % / 0,25 W / K1 2	W N 18 / 3 / 1	
R 426	1	Schichtwiderstand	68 Ω / 5 % / 0,25 W / K1 2	W N 18 / 3 / 1	
R 427	1	Schichtwiderstand	270 Ω / 1 % / 0,25 W / K1 0,5	Lv. 18 / 1 / 3	
R 428	1	Schichtwiderstand	10 Ω / 5 % / 0,25 W / K1 2	W N 18 / 3 / 1	
R 429	1	Schichtwiderstand	5,6 kΩ / 5 % / 0,25 W / K1 2	W N 18 / 3 / 1	
R 430	1	Schichtwid.	22 Ω / 5 % / K1,2 / 0309	WN 18 / 3 / 1	
R 431	1	Schichtwid.	56 Ω / 5 % / K1,2 / 0309	WN 18 / 3 / 1	
R 432	1	Schichtwid.	1,2 kΩ / 5 % / K1,2 / 0309	WN 18 / 3 / 1	
R 433	1	Schichtwid.	100 Ω / 5 % / K1,2 / 0309	WN 18 / 3 / 1	
R 434	1	Schichtwid.	27 kΩ / 5 % / K1,2 / 0309	WN 18 / 3 / 1	
R 435	1	Schichtwid.	4,7 kΩ / 5 % / K1,2 / 0309	WN 18 / 3 / 1	
R 436	1	Schichtwid.	33 kΩ / 5 % / K1,2 / 0309	WN 18 / 3 / 1	
R 437	1	Schichtwid.	100 kΩ / 5 % / K1,2 / 0309	WN 18 / 3 / 1	
R 438	1	Schichtwid.	5,6 kΩ / 5 % / K1,2 / 0309	WN 18 / 3 / 1	
R 439	1	Schichtwid.	82 kΩ / 5 % / K1,2 / 0309	WN 18 / 3 / 1	
R 440	1	Schichtwid.	100 kΩ / 5 % / K1,2 / 0309	WN 18 / 3 / 1	
R 442	1	Schichtwid.	270 Ω / 5 % / K1,2 / 0309	WN 18 / 3 / 1	
R 443	1	Schichtwid.	470 Ω / 5 % / K1,2 / 0309	WN 18 / 3 / 1	
R 444	1	Schichtwid.	10 Ω / 5 % / K1,2 / 0309	WN 18 / 3 / 1	
C 401	1	Glimmer - Kondens.	100 pF / 5 % / 300 V -	Bf. 49,14 - 4	Jahre
C 402	1	Ker - Kondensator	10 pF / 2,5 % / 400 V -	N 150 / 18 ROHM 3 x 10	Valvo
C 403	1	Glimmer - Kondens.	200 pF / 5 % / 300 V -	Bf. 49,14 - 4	Jahre
C 404	1	Ker - Kondensator	4,7 nF /+50 -20 % / 500 V -	WN 110 / 2 / 52	
C 405	1	Ker - Kondensator	3,9 pF / ±0,5 pF	W N 110 / 2 / 3	
C 406	1	Ker.- Kondensator	5,1 pF / ± 0,5 pF	W N 110 / 2 / 3	
C 407	1	Glimmer - Kondens.	100 pF / 5 % / 300 V -	Bf. 49,14 - 4	Jahre
C 408	1	Ker. - Kondensator	1 nF / + 100 -20 % /	W N 110 / 2 / 3	
C 409	1	Kf. - Kondensator	10 nF / 20 % / 630 V -	W N 110 / 3 / 7	
C 410	1	Kf. - Kondensator	0,1 µF / 20 % / 100 V -	W N 110 / 3 / 7	
C 411	1	Kf. - Kondensator	270 pF / 5 % / 63 V -	WN 110 / 3 / 3	
C 412	1	Kf. - Kondensator	0,1 µF / 20 % / 100 V -	W N 110 / 3 / 7	
C 413	1	Ker. - Kondensator	1 nF / +100 -20 %	W N 110 / 2 / 3	
C 414					
C 415	1	Ker. - Kondensator	1 nF / +100 -20 % /	W N 110 / 2 / 3	
C 416	1	Kf. - Kondensator	10 nF / 20 % / 630 V -	W N 110 / 3 / 7	
C 417	1	Kf. - Kondensator	10 nF / 20 % / 630 V -	W N 110 / 3 / 7	
C 418	1	Kf. - Kondensator	0,1 µF / 20 % / 100 V -	W N 110 / 3 / 7	

Teil	Stck	Bezeichnung	Elektrische Werte	Bestellangaben Benennung	Hersteller, Anmerkgn
C 419	1	Kf. - Kondensator	0,1 µF / 20 % / 100 V -	W N 110 / 3 / 7	
C 421	1	Kf. - Kondensator	10 nF / 20 % / 630 V -	W N 110 / 3 / 7	
C 422	1	Kf. - Kondensator	420 pF / 2 % / 63 V -	WN 110 / 3 / 3	
C 423					
C 424	1	Kf. - Kondensator	248 pF / 1 % / 63 V -	WN 110 / 3 / 3	
C 425	1	Glimmer - Kondens.	240 pF / 2 % / 300 V -	Bf. 46,90 - 3	Jahre
C 426	1	Kf. - Kondensator	6,8 nF / 1 % / 63 V -	WN 110 / 3 / 3	
C 427	1	Glimmer-Kondensator	270 pF / 5 % / 300 V -	Bf. 49,14 - 4	Jahre
C 428	1	Ker.- Kondensator	12 pF / 5 % /	W N 110 / 2 / 3	
C 430	1	Kf - Kond.	0,1 µF / 20 % / 100 V -	WN 110 / 3 / 7	
C 431	1	Kf - Kond.	10 nF / 20 % / 630 V -	WN 110 / 3 / 7	
C 432	1	Ker. Kond.	4,7 nF / +50 -20 % / 500 V	WN 110 / 2 / 52	
C 433	1	Ker. Kond.	4,7 nF / +50 -20 % /500 V-	WN 110 / 2 / 52	
C 434	1	Ker. Kond.	4,7 nF / +50 -20 % /500 V-	WN 110 / 2 / 52	
R 435	1	Schichtdrahtwid.	100 W / 1in / 0,5 d	1 WN 17 / 2 / 8	
GI 401	1 x)	Diode		hpa 5082 - 2800	Hewlett - Packard
GI 402	1 x)	Diode	x) ausgesucht nach Bv. 341-9361;	hpa 5082 - 2800	Hewlett - Packard
GI 403	1 x)	Diode		hpa 5082 - 2800	Hewlett - Packard
GI 404	1 x)	Diode		hpa 5082 - 2800	Hewlett - Packard
GI 405	1	Diode		1 N 4448	
T 401	1	Transistor		BSX 27	
T 402	1	Transistor		BSX 27	
T 403	1	Transistor		BSX 27	
T 404	1	Transistor		BSX 27	
T 405	1	Transistor		BCY 59 D	Serie ...H: BST 80
T 406	1	Transistor		DN 7154	
T 407	1	Transistor		2 N 918 / BFX 73	
T 408	1	Transistor		2 N 3947	
T 409	1	Transistor		BCY 59 D	Serie H: BST 80
T 410	1	Transistor		DN 7154	
Ü 401	1	Übertrager		Bv. 341 - 7772	
Ü 402	1	Übertrager		Bv. 341 - 7750	
403	1	Übertrager		Bv. 341 - 7755.1	
L 401	1	Spule		Bv. 341 - 7885.1	
L 402	1	Spule		Bv. 341 - 7844.1	
L 403	1	Spule		Bv. 341 - 7886.1	
L 404					
L 405	1	Spule		Bv. 341 - 7885.1	
L 406	1	Spule		Bv. 341 - 7896.1	
L 407	1	Spule	27 µH	2 WN 117 / 1 / 1	
L 408	1	Spule	39 µH	No. 1537 - 56	Delevan
L 409	1	Spule	27 µH	2 WN 117 / 1 / 1	
L 410	1	Spule	27 µH	2 WN 117 / 1 / 1	
L 411	1	Spule	27 µH	2 WN 117 / 1 / 1	
L 412	1	Spule	220 µH	No. 1537 - 92	Delevan
L 413	1	Spule	27 µH	1 WN 117 / 1 / 1	
L 414	1	Spule	3,3 µH	No. 1537 - 24	Delevan(Amphenol)
L 415	1	Spule		Bv. 341 - 7945.1	
L 416	1	Spule		Bv. 341 - 7946.1	
L 417	1	Spule		Bv. 341 - 7896.1	

24-MHz-Bandpaß, Mischer II, 2-MHz-Bandpaß SPM-6
24 MHz Band-pass Filter, Mixer II, 2 MHz Band-pass Filter BN 341/4 (4)

Teil	Stck	Bezeichnung	Elektrische Werte	Bestellangaben Benennung	Hersteller, Anmerkgn
R 501	1	Schichtwiderstand	820 Ω / 1 % / 0,25 W / KI 0,5	Lv. 18 / 1 / 3	
R 502	1	Schichtwiderstand	2,2 kΩ / 5 % / 0,25 W / KI 2	W N 18 / 3 / 1	
R 503	1	Schichtwiderstand	3,3 kΩ / 5 % / 0,25 W / KI 2	W N 18 / 3 / 1	
R 504	1	Schichtwiderstand	2,7 kΩ / 5 % / 0,25 W / KI 2	W N 18 / 3 / 1	
R 505	1	Schichtwiderstand	68 Ω / 5 % / 0,25 W / KI 2	W N 18 / 3 / 1	
R 506	1	Schichtwiderstand	68 Ω / 5 % / 0,25 W / KI 2	W N 18 / 3 / 1	
R 507	1	Schichtwiderstand	68 Ω / 5 % / 0,25 W / KI 2	W N 18 / 3 / 1	
R 508	1	Schichtwiderstand	250 Ω / 1 % / 0,25 W / KI 0,5	Lv. 18 / 1 / 3	
R 509	1	Schichtwiderstand	250 Ω / 1 % / 0,25 W / KI 0,5	Lv. 18 / 1 / 3	
R 510	1	Schichtwiderstand	1,8 kΩ / 1 % / 0,25 W / KI 0,5	Lv. 18 / 1 / 3	
R 511	1	Schichtwiderstand	470 Ω / 5 % / 0,25 W / KI 2	W N 18 / 3 / 1	
R 512	1	Schichtwiderstand	68 Ω / 5 % / 0,25 W / KI 2	W N 18 / 3 / 1	
R 513	1	Schichtwiderstand	100 Ω / 5 % / 0,25 W / KI 2	W N 18 / 3 / 1	
R 514	1	Schichtwiderstand	3,1 kΩ / 1 % / 0,33 W / KI 0,5	Lv. 18 / 1 / 3	
R 515	1	Schichtwiderstand	7,3 kΩ / 1 % / 0,33 W / KI 0,5	Lv. 18 / 1 / 3	
R 516	1	Schichtwiderstand	100 Ω / 5 % / 0,25 W / KI 2	W N 18 / 3 / 1	
R 517	1	Schichtwiderstand	100 Ω / 5 % / 0,25 W / KI 2	W N 18 / 3 / 1	
R 518	1	Schichtwiderstand	820 Ω / 5 % / 0,25 W / KI 2	W N 18 / 3 / 1	
R 519	1	Schichtwiderstand	18 kΩ / 1 % / 0,33 W / KI 0,5	Lv. 18 / 1 / 3	
R 520	1	Schichtwiderstand	12 kΩ / 5 % / 0,25 W / KI 2	W N 18 / 3 / 1	
R 521	1	Schichtwiderstand	8,2 kΩ / 1 % / 0,33 W / KI 0,5	Lv. 18 / 1 / 3	
R 522	1	Schichtwiderstand	3,3 kΩ / 1 % / 0,33 W / KI 0,5	Lv. 18 / 1 / 3	
R 523	1	Schichtwiderstand	2,2 kΩ / 5 % / 0,25 W / KI 2	W N 18 / 3 / 1	
R 524	1	Schichtwiderstand	4,7 kΩ / 1 % / 0,33 W / KI 0,5	Lv. 18 / 1 / 3	
R 525	1	Schichtwiderstand	4,7 kΩ / 1 % / 0,33 W / KI 0,5	Lv. 18 / 1 / 3	
R 526	1	Schichtwiderstand	22 kΩ / 5 % / 0,25 W / KI 2,	W N 18 / 3 / 1	
R 527	1	Schichtwiderstand	1 kΩ / 5 % / 0,25 W / KI 2	W N 18 / 3 / 1	
R 528	1	Schichtwiderstand	10 Ω / 5 % / 0,25 W / KI 2	W N 18 / 3 / 1	
R 529	1	Schichtwiderstand	10 Ω / 5 % / 0,25 W / KI 2	W N 18 / 3 / 1	
R 530	1	Schichtwiderstand	1,8kΩ / 1 % / 0,25 W / KI 0,5	Lv. 18 / 1 / 3	
R 531	1	Schichtwiderstand	4,7kΩ / 5 % / 0,25 W / KI 2,	W N 18 / 3 / 1	
R 532	1	Schichtwiderstand	3,3kΩ / 1 % / 0,25 W / KI 0,5	Lv. 18 / 1 / 3	
C 501	1	Kf. - Kondensator	240 pF / 1 % / 63 V -	W N 110 / 3 / 3	
C 502	1	Glimmer - Kondens.	240 pF / 1 % / 300 V -	Bf. 46,90 - 1	Jahre
C 503	1	Kf. - Kondensator	3 nF / 1 % / 63 V -	W N 110 / 3 / 3	
C 504	1	Kf. - Kondensator	0,1 µF / 20 % / 100 V -	W N 110 / 3 / 7	
C 505	1	Kf. - Kondensator	0,1 µF / 20 % / 100 V -	W N 110 / 3 / 7	
C 506	1	Kf. - Kondensator	1 nF / 1 % / 63 V -	W N 110 / 3 / 3	
C 507	1	Kf. - Kondensator	1 nF / 1 % / 63 V -	W N 110 / 3 / 3	
C 508	1	Ker. - Kondensator	2,2 nF / + 100 - 20 %	W N 110 / 2 / 3	
C 509	1	Pf. - Kondensator	280 pF / 0,5 % / 63 V -	W N 110 / 3 / 3	
C 510	1	Ker. - Kondensator	120 pF / 2 %	W N 110 / 2 / 3	
C 511	1	Ker. - Kondensator	69 pF / 1 % / 400 V -	N P 0/18 RODU 7 x 16	Valvo
C 512	1	Kf. - Kondensator	280 pF / 0,5 % / 63 V -	W N 110 / 3 / 3	
C 513	1	Kf. - Kondensator	0,1 µF / 20 % / 100 V -	W N 110 / 3 / 7	
C 514	1	Kf. - Kondensator	0,1 µF / 20 % / 100 V -	W N 110 / 3 / 7	
C 515	1	Kf. - Kondensator	1 µF / 10 % / 100 V -	MKI 1822 - 510 / 0	Ero
C 516	1	Kf. - Kondensator	0,1 µF / 20 % / 100 V -	W N 110 / 3 / 7	

Teil	Stck	Bezeichnung	Elektrische Werte	Bestellangaben Benennung	Hersteller, Anmerkgn
C 517	1	Glimmer - Kondens.	3,3 nF / 1 % / 500 V -	Bf. 51,30	Jahre
C 518	1	Kf. - Kondensator	0,1 µF / 20 % / 100 V -	W N 110 / 3 / 7	
C 519	1	Kf. - Kondensator	5,45 nF / 1 % / 63 V -	W N 110 / 3 / 3	
C 520	1	Kf. - Kondensator	460 pF / 1 % / 63 V -	W N 110 / 3 / 3	
C 521	1	Glimmer - Kondens.	1 nF / 1 % / 300 V -	Bf. 46,90 - 1	Jahre
C 522	1	Kf. - Kondensator	5,45 nF / 1 % / 63 V -	W N 110 / 3 / 3	
C 523	1	Glimmer - Kondens.	3,3 nF / 1 % / 500 V -	Bf. 51,30	Jahre
C 524	1	Ker - Kondensator	100 pF / 2 % / -	W N 110 / 2 / 3	
C 525	1	Ker - Kondensator	47 pF / 2 % / -	W N 110 / 2 / 3	341/5 *)
C 526	1	Kf. - Kondensator	0,1 µF / 20 % / 100 V -	W N 110 / 3 / 7	
C 527	1	Ker - Kondensator	4,7 nF / -20+50 % / 500 V -	WN 110 / 2 / 52	
C 528	1	Ker - Kondensator	4,7 nF / -20+50 % / 500 V -	WN 110 / 2 / 52	
C 529	1	Kf. - Kondensator	0,1 µF / 20 % / 100 V -	W N 110 / 3 / 7	
C 530	1	Kf. - Kondensator	0,1 µF / 20 % / 100 V -	W N 110 / 3 / 7	
C 531	1	Kf. - Kondensator	470 pF / 2% / 160 V	WN 110 / 3 / 1	
T 501	1	Transistor		2 N 918 / BFX 73	
T 502	1	Transistor		2 N 918 / BFX 73	
T 503	1	Transistor		BSX 27	
T 504	1	Transistor		BSX 27	
T 505	1	Transistor		2 N 3251	
T 506	1	Transistor		2 N 3947	
Ü 501	1	Übertrager		Bv. 341 - 7741.1	
Ü 502	1	Übertrager		Bv. 341 - 7742.2	
Ü 503	1	Übertrager		Bv. 341 - 7743	
L 501	1	Spule		Bv. 341 - 7845.1	
L 502	1	Spule		Bv. 341 - 7837.1	
L 503	1	Spule		Bv. 341 - 7838	
L 504	1	Spule		Bv. 341 - 7839.1	
L 505	1	Spule		Bv. 341 - 7840	
L 506	1	Spule	33 µH / 10 %	Bf. 74	Jahre
St 501	1	Stecker	75 Ω	" WN 119 / 8 / 1	

*) in Sonderausführung anderer Wert oder entfällt

Mischer III, 110-kHz-Bandpaß SPM-6
Mixer III, 110 kHz Band-pass Filter BN 341/4 (5)

Teil	Stck	Bezeichnung	Elektrische Werte	Bestellangaben Benennung	Hersteller, Anmerkgn
R 601	1	Schichtwiderstand	10 kΩ / 5 % / 0,25 W / K1 2	W N 18 / 3 / 1	
R 602	1	Schichtwiderstand	1,5 kΩ / 5 % / 0,25 W / K1 2	W N 18 / 3 / 1	
R 603	1	Schichtwiderstand	8,2 kΩ / 5 % / 0,25 W / K1 2	W N 18 / 3 / 1	
R 604	1	Schichtwiderstand	680 Ω / 5 % / 0,25 W / K1 2	W N 18 / 3 / 1	
R 605	1	Schichtwiderstand	8,2 kΩ / 5 % / 0,25 W / K1 2	W N 18 / 3 / 1	
R 606	1	Schichtwiderstand	10 kΩ / 5 % / 0,25 W / K1 2	W N 18 / 3 / 1	
R 607	1	Schichtwiderstand	12 kΩ / 5 % / 0,25 W / K1 2	W N 18 / 3 / 1	
R 608	1	Schichtwiderstand	5,6 kΩ / 5 % / 0,25 W / K1 2	W N 18 / 3 / 1	
R 609	1	Schichtwiderstand	820 Ω / 5 % / 0,25 W / K1 2	W N 18 / 3 / 1	
R 610	1	Schichtwiderstand	1,5 kΩ / 5 % / 0,25 W / K1 2	W N 18 / 3 / 1	
R 611	1	Schichtwiderstand	600 Ω / 1 % / 0,33 W / K1 0,5	Lv. 18 / 1 / 3	
R 613	1	Schichtwiderstand	100 Ω / 5 % / 0,25 W / K1 2	W N 18 / 3 / 1	
R 614	1	Schichtwiderstand	100 Ω / 5 % / 0,25 W / K1 2	W N 18 / 3 / 1	
R 615	1	Schichtwiderstand	820 Ω / 5 % / 0,25 W / K1 2	W N 18 / 3 / 1	
R 616	1	Schichtwiderstand	100 Ω / 5 % / 0,25 W / K1 2	W N 18 / 3 / 1	
R 617	1	Schichtwiderstand	330 Ω / 1 % / 0,33 W / K1 0,5	Lv. 18 / 1 / 3	
R 618	1	Schichtwiderstand	330 Ω / 1 % / 0,33 W / K1 0,5	Lv. 18 / 1 / 3	
R 619	1	Schichtwiderstand	7,2 kΩ / 5 % / 0,25 W / K1 2	W N 18 / 3 / 1	
R 620	1	Schichtwiderstand	2,2 kΩ / 1 % / 0,33 W / K1 0,5	Lv. 18 / 1 / 3	
R 621	1	Schichtwiderstand	7,2 kΩ / 1 % / 0,33 W / K1 0,5	Lv. 18 / 1 / 3	
R 622	1	Schichtwiderstand	22 kΩ / 5 % / 0,25 W / K1 2	W N 18 / 3 / 1	
R E24	1	Schichtwiderstand	120 Ω / 1 % / 0,33 W / K1 0,5	Lv. 18 / 1 / 3	
R 625	1	Schichtwiderstand	2,7 kΩ / 5 % / 0,25 W / K1 2	W N 18 / 3 / 1	
R 626	1	Schichtwiderstand	6,8 kΩ / 5 % / 0,25 W / K1 2	W N 18 / 3 / 1	
R 627	1	Schichtwiderstand	15 kΩ / 5 % / 0,25 W / K1 2	W N 18 / 3 / 1	
R 628	1	Schichtwiderstand	47 kΩ / 5 % / 0,25 W / K1 2	W N 18 / 3 / 1	
R 629	1	Schichtwiderstand	1 kΩ / 5 % / 0,25 W / K1 2	W N 18 / 3 / 1	
R 630	1	Schichtwiderstand	47 kΩ / 5 % / 0,25 W / K1 2	W N 18 / 3 / 1	
R 631	1	Schichtwiderstand	150 Ω / 5 % / 0,25 W / K1 2	W N 18 / 3 / 1	
R 632	1	Schichtwiderstand	1,5 kΩ / 5 % / 0,25 W / K1 2	W N 18 / 3 / 1	
C 601	1	Ker - Kondensator	33 pF / 2 % /	W N 110 / 2 / 3	
C 602	1	Ker - Kondensator	100 pF / 2 % /	W N 110 / 2 / 3	
C 603	1	Elko	22 µF / 20 % / 16 V -	W N 110 / 5 / 61	
C 604	1	Ker - Kondensator	100 pF / 2 % /	W N 110 / 2 / 3	
C 605	1	Ker - Kondensator	33 pF / 2 % /	W N 110 / 2 / 3	
C 606	1	Kf. - Kondensator	0,1 µF / 20 % / 100 V -	W N 110 / 3 / 7	
C 607	1	Kf. - Kondensator	0,1 µF / 20 % / 100 V -	W N 110 / 3 / 7	
C 608	1	Kf. - Kondensator	1 µF / 10 % / 100 V -	M K T 1822 - 510 / 0	Ero
C 609	1	Elko	22 µF / 20 % / 16 V -	W N 110 / 5 / 61	
C 610	1	Elko	22 µF / 20 % / 16 V -	W N 110 / 5 / 61	
C 611	1	Kf. - Kondensator	6,3 nF / 1 % / 63 V -	W N 110 / 3 / 3	

Teil	Stck	Bezeichnung	Elektrische Werte	Bestellangaben Benennung	Hersteller, Anmerkgn
C 612	1	Kf. - Kondensator	6,3 nF / 1 % / 63 V -	W N 110 / 3 / 3	
C 613	1	Kf. - Kondensator	0,1 µF / 20 % / 100 V -	W N 110 / 3 / 7	
C 614	1	Elko	22 µF / 20 % / 16 V -	W N 110 / 5 / 61	
C 615	1	Kf. - Kondensator	19,5 nF / 1 % / 63 V -	W N 110 / 3 / 3	
C 616	1	Kf. - Kondensator	16,7 nF / 1 % / 63 V -	W N 110 / 3 / 3	
C 617	1	Kf. - Kondensator	46,0 nF / 1 % / 160 V -	W N 110 / 3 / 3	
C 618	1	Kf. - Kondensator	19,5 nF / 1 % / 63 V -	W N 110 / 3 / 3	
C 619	1	Kf. - Kondensator	46,0 nF / 1 % / 160 V -	W N 110 / 3 / 3	
C 620	1	Kf. - Kondensator	21,1 nF / 1 % / 160 V -	W N 110 / 3 / 3	
C 621	1	Kf. - Kondensator	20 nF / 1 % / 63 V -	W N 110 / 3 / 3	
C E3	1	Kf. - Kondensator	5 nF / 1 % / 63 V -	W N 110 / 3 / 3	
C 624	1	Kf. - Kondensator	20 nF / 1 % / 63 V -	W N 110 / 3 / 3	
T 601	1	Transistor		2 N 708 / BSX 88	
T 602	1	Transistor		2 N 708 / BSX 88	
T 603	1	Transistor		2 N 3947	
T 604	1	Transistor		2 N 3947	
T 605	1	Transistor		2 N 708 / BSX 88	
T 606	1	Transistor		2 N 708 / BSX 88	
G1 601	1	Diode		1 N 914 / 1 N 4448	
G1 602	1	Diode		1 N 914 / 1 N 4448	
Bu 601	1	Buchse	75 Ω	11 WN 119 / 8 / 1	
Bu 602	1	Buchse	75 Ω	1 WN 119 / 8 / 1	
Ü 601	1	Übertrager		Bv. 341 - 7766	
L 601	1	Spule		Bv. 341 - 7826.1	
L 602	1	Spule		Bv. 341 - 7827.1	
L 603	1	Spule		Bv. 341 - 7828.1	
L 604	1	Spule		Bv. 341 - 7827.1	
L 605	1	Spule		Bv. 341 - 7826.1	
L 606	1	Spule		Bv. 341 - 7829.1	
L 607	1	Spule		Bv. 341 - 7830	
L 608	1	Spule		Bv. 341 - 7831	
L 609	1	Spule		Bv. 341 - 7830	
S 601	1	Schalter		Bv. 341 - 8009	341/5 *) 7)

*) in Sonderausführung anderer Wert oder entfällt

7) Serie ...K2: Bv. 341-8004

Mischer IV, 10-kHz-Bandpaß SPM-6
Mixer IV, 10 kHz Band-pass Filter BN 341/4 (6)

Teil	Stck.	Bezeichnung	Bestellangaben: Elektrische Werte	Bestellangaben: Benennung	Hersteller, Anmerkgn
R 701	1	Schichtwiderstand	390 kΩ / 5 % / 0,25 W / K1 2	W N 18 / 3 / 1	
R 702	1	Schichtwiderstand	680 kΩ / 5 % / 0,25 W / K1 2	W N 18 / 3 / 1	
R 703	1	Schichtwiderstand	100 Ω / 5 % / 0,25 W / K1 2	W N 18 / 3 / 1	
R 704	1	Schichtwiderstand	1,5 kΩ / 5 % / 0,25 W / K1 2	W N 18 / 3 / 1	
R 705	1	Schichtwiderstand	22 kΩ / 5 % / 0,25 W / K1 2	W N 18 / 3 / 1	
R 706	1	Schichtwiderstand	33 kΩ / 5 % / 0,25 W / K1 2	W N 18 / 3 / 1	
R 707	1	Schichtwiderstand	1 kΩ / 5 % / 0,25 W / K1 2	W N 18 / 3 / 1	
R 708	1	Schichtwiderstand	470 Ω / 5 % / 0,25 W / K1 2	W N 18 / 3 / 1	
R 709	1	Schichtwiderstand	22 kΩ / 5 % / 0,25 W / K1 2	W N 18 / 3 / 1	
R 710	1	Schichtwiderstand	1 kΩ / 5 % / 0,25 W / K1 2	W N 18 / 3 / 1	
R 711	1	Schichtwiderstand	33 Ω / 5 % / 0,25 W / K1 2	W N 18 / 3 / 1	
R 712	1	Schichtwiderstand	180 Ω / 5 % / 0,25 W / K1 2	W N 18 / 3 / 1	
R 713	1	Schichtwiderstand	2,2 kΩ / 5 % / 0,25 W / K1 2	W N 18 / 3 / 1	
R 714	1	Schichtwiderstand	2,2 kΩ / 5 % / 0,25 W / K1 2	W N 18 / 3 / 1	
R 715	1	Schichtwiderstand	33 kΩ / 5 % / 0,25 W / K1 2	W N 18 / 3 / 1	
R 716	1	Schichtwiderstand	18 kΩ / 5 % / 0,25 W / K1 2	W N 18 / 3 / 1	
R 717	1	Schichtwiderstand	100 kΩ / 5 % / 0,25 W / K1 2	W N 18 / 3 / 1	
R 718	1	Schichtwiderstand	22 kΩ / 5 % / 0,25 W / K1 2	W N 18 / 3 / 1	
R 719	1	Schichtwiderstand	100 kΩ / 5 % / 0,25 W / K1 2	W N 18 / 3 / 1	
R 720	1	Schichtwiderstand	22 kΩ / 5 % / 0,25 W / K1 2	W N 18 / 3 / 1	
R 721	1	Schichtwiderstand	390 kΩ / 5 % / 0,25 W / K1 2	W N 18 / 3 / 1	
R 722	1	Schichtwiderstand	680 kΩ / 5 % / 0,25 W / K1 2	W N 18 / 3 / 1	
R 723	1	Schichtwiderstand	100 Ω / 5 % / 0,25 W / K1 2	W N 18 / 3 / 1	
R 724	1	Schichtwiderstand	1,5 kΩ / 5 % / 0,25 W / K1 2	W N 18 / 3 / 1	
R 725	1	Schichtwiderstand	22 kΩ / 5 % / 0,25 W / K1 2	W N 18 / 3 / 1	
R 726	1	Schichtwiderstand	33 kΩ / 5 % / 0,25 W / K1 2	W N 18 / 3 / 1	
R 727	1	Schichtwiderstand	1 kΩ / 5 % / 0,25 W / K1 2	W N 18 / 3 / 1	
R 728	1	Schichtwiderstand	150 Ω / 1 % / 0,33 W / K1 0,5	Lv. 18 / 1 / 3	
R 729	1	Schichtwiderstand	22 kΩ / 5 % / 0,25 W / K1 2	W N 18 / 3 / 1	
R 730	1	Schichtwiderstand	1,35 kΩ / 1 % / 0,33 W / K1 0,5	Lv. 18 / 1 / 3	
R 731	1	Schichtwiderstand	33 Ω / 5 % / 0,25 W / K1 2	W N 18 / 3 / 1	
R 732	1	Schichtwiderstand	180 Ω / 5 % / 0,25 W / K1 2	W N 18 / 3 / 1	
R 733	1	Schichtwiderstand	2,2 kΩ / 5 % / 0,25 W / K1 2	W N 18 / 3 / 1	
R 734	1	Schichtwiderstand	2,2 kΩ / 5 % / 0,25 W / K1 2	W N 18 / 3 / 1	
R 735	1	Schichtwiderstand	33 kΩ / 5 % / 0,25 W / K1 2	W N 18 / 3 / 1	
R 736	1	Schichtwiderstand	100 kΩ / 5 % / 0,25 W / K1 2	W N 18 / 3 / 1	
R 737	1	Schichtwiderstand	18 kΩ / 5 % / 0,25 W / K1 2	W N 18 / 3 / 1	
R 738	1	Schichtwiderstand	22 kΩ / 5 % / 0,25 W / K1 2	W N 18 / 3 / 1	
R 739	1	Schichtwiderstand	100 kΩ / 5 % / 0,25 W / K1 2	W N 18 / 3 / 1	
R 740	1	Schichtwiderstand	22 kΩ / 5 % / 0,25 W / K1 2	W N 18 / 3 / 1	
R 741	1	Schichtwiderstand	100 kΩ / 5 % / 0,25 W / K1 2	W N 18 / 3 / 1	
R 742	1	Schichtwiderstand	22 kΩ / 5 % / 0,25 W / K1 2	W N 18 / 3 / 1	
R 743	1	Schichtwiderstand	390 kΩ / 5 % / 0,25 W / K1 2	W N 18 / 3 / 1	
R 744	1	Schichtwiderstand	680 kΩ / 5 % / 0,25 W / K1 2	W N 18 / 3 / 1	
R 745	1	Schichtwiderstand	100 Ω / 5 % / 0,25 W / K1 2	W N 18 / 3 / 1	
R 746	1	Schichtwiderstand	1,5 kΩ / 5 % / 0,25 W / K1 2	W N 18 / 3 / 1	
R 747	1	Schichtwiderstand	22 kΩ / 5 % / 0,25 W / K1 2	W N 18 / 3 / 1	
R 748	1	Schichtwiderstand	33 kΩ / 5 % / 0,25 W / K1 2	W N 18 / 3 / 1	
R 749	1	Schichtwiderstand	1 kΩ / 5 % / 0,25 W / K1 2	W N 18 / 3 / 1	
R 750	1	Schichtwiderstand	150 Ω / 1 % / 0,33 W / K1 0,5	Lv. 18 / 1 / 3	

Teil	Stck.	Bezeichnung	Bestellangaben: Elektrische Werte	Bestellangaben: Benennung	Hersteller, Anmerkgn
R 751	1	Schichtwiderstand	1,35 kΩ / 1 % / 0,33 W / K1 0,5	Lv. 18 / 1 / 3	
R 752	1	Schichtwiderstand	22 kΩ / 5 % / 0,25 W / K1 2	W N 18 / 3 / 1	
R 753	1	Schichtwiderstand	33 Ω / 5 % / 0,25 W / K1 2	W N 18 / 3 / 1	
R 754	1	Schichtwiderstand	180 Ω / 5 % / 0,25 W / K1 2	W N 18 / 3 / 1	
R 755	1	Schichtwiderstand	2,2 kΩ / 5 % / 0,25 W / K1 2	W N 18 / 3 / 1	
R 756	1	Schichtwiderstand	2,2 kΩ / 5 % / 0,25 W / K1 2	W N 18 / 3 / 1	
R 757	1	Schichtwiderstand	10 kΩ / 5 % / 0,25 W / K1 2	W N 18 / 3 / 1	
R 758	1	Schichtwiderstand	100 kΩ / 5 % / 0,25 W / K1 2	W N 18 / 3 / 1	
R 759	1	Schichtwiderstand	5,6 kΩ / 5 % / 0,25 W / K1 2	W N 18 / 3 / 1	
R 760	1	Schichtwiderstand	22 kΩ / 5 % / 0,25 W / K1 2	W N 18 / 3 / 1	
R 761	1	Schichtwiderstand	100 kΩ / 5 % / 0,25 W / K1 2	W N 18 / 3 / 1	
R 762	1	Schichtwiderstand	22 kΩ / 5 % / 0,25 W / K1 2	W N 18 / 3 / 1	
R 763	1	Schichtwiderstand	100 kΩ / 5 % / 0,25 W / K1 2	W N 18 / 3 / 1	
R 764	1	Schichtwiderstand	22 kΩ / 5 % / 0,25 W / K1 2	W N 18 / 3 / 1	
R 765	1	Schichtwiderstand	100 kΩ / 5 % / 0,25 W / K1 2	W N 18 / 3 / 1	
R 766	1	Schichtwiderstand	22 kΩ / 5 % / 0,25 W / K1 2	W N 18 / 3 / 1	
R 767	1	Schichtwiderstand	100 kΩ / 5 % / 0,25 W / K1 2	W N 18 / 3 / 1	
R 768	1	Schichtwiderstand	22 kΩ / 5 % / 0,25 W / K1 2	W N 18 / 3 / 1	
R 769	1	Schichtwiderstand	100 kΩ / 5 % / 0,25 W / K1 2	W N 18 / 3 / 1	
R 770	1	Schichtwiderstand	22 kΩ / 5 % / 0,25 W / K1 2	W N 18 / 3 / 1	
R 771	1	Schichtwiderstand	100 kΩ / 5 % / 0,25 W / K1 2	W N 18 / 3 / 1	
R 772	1	Schichtwiderstand	22 kΩ / 5 % / 0,25 W / K1 2	W N 18 / 3 / 1	
R 773	1	Schichtwiderstand	100 kΩ / 5 % / 0,25 W / K1 2	W N 18 / 3 / 1	
R 774	1	Schichtwiderstand	22 kΩ / 5 % / 0,25 W / K1 2	W N 18 / 3 / 1	
R 775	1	Schichtwiderstand	100 kΩ / 5 % / 0,25 W / K1 2	W N 18 / 3 / 1	
R 776	1	Schichtwiderstand	22 kΩ / 5 % / 0,25 W / K1 2	W N 18 / 3 / 1	
R 777	1	Schichtwiderstand	100 kΩ / 5 % / 0,25 W / K1 2	W N 18 / 3 / 1	
R 778	1	Schichtwiderstand	22 kΩ / 5 % / 0,25 W / K1 2	W N 18 / 3 / 1	
R 779	1	Schichtwiderstand	560 kΩ / 5 % / 0,25 W / K1 2	W N 18 / 3 / 1	
R 780	1	Schichtwiderstand	560 Ω / 5 % / 0,25 W / K1 2	W N 18 / 3 / 1	
R 781	1	Schichtwiderstand	680 kΩ / 5 % / 0,25 W / K1 2	W N 18 / 3 / 1	
R 782	1	Schichtwiderstand	1 kΩ / 1 % / 0,33 W / K1 0,5	Lv. 18 / 1 / 3	
R 783	1	Schichtwiderstand	68 kΩ / 5 % / 0,25 W / K1 2	W N 18 / 3 / 1	
R 784	1	Schichtwiderstand	12 kΩ / 5 % / 0,25 W / K1 2	W N 18 / 3 / 1	
R 785	1	Schichtwiderstand	100 kΩ / 5 % / 0,25 W / K1 2	W N 18 / 3 / 1	
R 786	1	Schichtwiderstand	1 kΩ / 1 % / 0,33 W / K1 0,5	Lv. 18 / 1 / 3	
R 787	1	Schichtwiderstand	10 kΩ / 5 % / 0,25 W / K1 2	W N 18 / 3 / 1	
R 788	1	Schichtwiderstand	10,5 kΩ / 1 % / K1.0,5/0309	W N 18 / 3 / 1	
R 789	1	Schichtwiderstand	105 Ω / 1 % / 0,25 W / K1 0,5	Lv. 18 / 1 / 3	
R 790	1	Schichtwiderstand	60,4 Ω / 1 % / 0,25 W / K1 0,5	Lv. 18 / 1 / 3	
R 791	1	Schichtwiderstand	170 Ω / 1 % / 0,25 W / K1 0,5	Lv. 18 / 1 / 3	
R 792	1	Schichtwiderstand	189 Ω / 1 % / 0,25 W / K1 0,5	Lv. 18 / 1 / 3	
R 793	1	Schichtwiderstand	237 Ω / 1 % / 0,25 W / K1 0,5	Lv. 18 / 1 / 3	
R 794	1	Schichtwiderstand	168 Ω / 1 % / 0,25 W / K1 0,5	Lv. 18 / 1 / 3	
R 795	1	Schichtwiderstand	207 Ω / 1 % / 0,25 W / K1 0,5	Lv. 18 / 1 / 3	
R 796	1	Schichtwiderstand	22 kΩ / 1 % / 0,25 W / K1 0,5	W N 18 / 1 / 3	
R 797	1	Schichtwiderstand	100 kΩ / 5 % / 0,25 W / K1 2	W N 18 / 3 / 1	
R 798	1	Schichtwiderstand	22 kΩ / 1 % / 0,25 W / K1 0,5	W N 18 / 1 / 3	
R 799	1	Schichtwiderstand	100 kΩ / 5 % / 0,25 W / K1 2	W N 18 / 3 / 1	
R 7100	1	Schichtwiderstand	22 kΩ / 1 % / 0,25 W / K1 0,5	W N 18 / 1 / 3	

Teil	Stck	Bezeichnung	Elektrische Werte	Bestellangaben Benennung	Hersteller, Anmerkgn
R 7101	1	Schichtwiderstand	100 kΩ / 5 % / 0,25 W / K1 2	W N 18 / 3 / 1	
R 7102	1				
R 7103	1				
R 7104	1	Schichtwiderstand	22 kΩ / 1 % / 0,25 W / K1 0,5	W N 18 / 1 / 3	
R 7105	1	Schichtwiderstand	100 kΩ / 5 % / 0,25 W / K1 2	W N 18 / 3 / 1	
R 7106	1	Schichtwiderstand	22 kΩ / 1 % / 0,25 W / K1 0,5	W N 18 / 1 / 3	
R 7107	1	Schichtwiderstand	100 kΩ / 5 % / 0,25 W / K1 2	W N 18 / 3 / 1	
R 7108	1	Schichtwiderstand	22 kΩ / 1 % / 0,25 W / K1 0,5	W N 18 / 1 / 3	
R 7109	1	Schichtwiderstand	100 kΩ / 5 % / 0,25 W / K1 2	W N 18 / 3 / 1	
R 7110	1	Schichtwiderstand	22 kΩ / 1 % / 0,25 W / K1 0,5	W N 18 / 1 / 3	
R 7111	1	Schichtwiderstand	100 kΩ / 5 % / 0,25 W / K1 2	W N 18 / 3 / 1	
R 7112	1	Schichtwiderstand	3,03 kΩ / 1% / 0,33 W / K1 0,5	Lv. 18 / 1 / 3	
R 7113					
P 701	1	Schichtdrehwiderst.	1 kΩ / 1 W / lin	1 W N 17 / 2 / 6	
C 701	1	Kf. - Kondensator	10 nF / 20 % / 630 V ~	W N 110 / 3 / 7	
C 702	1	Elko	22 µF / 20 % / 16 V ~	W N 110 / 5 / 61	
C 703	1	Kf. - Kondensator	0,1 µF / 20 % / 100 V ~	W N 110 / 3 / 7	
C 704	1	Elko	47 µF / 20 % / 6,3 V ~	W N 110 / 5 / 61	
C 705	1	Kf. - Kondensator	180 pF / 2,5 % / 160 V ~	W N 110 / 3 / 1	
C 706	1	Ker - Kondensator	2,2 nF / +50 -20 % /	W N 110 / 2 / 4	
C 707	1	Elko	2,2 µF / 20 % / 35 V ~	W N 110 / 5 / 61	
C 708	1	Elko	10 µF / 20 % / 16 V ~	W N 110 / 5 / 61	
C 709	1	Kf. - Kondensator	0,22 µF / 20 % / 100 V ~	W N 110 / 3 / 7	
C 710	1	Kf. - Kondensator	10 nF / 20 % / 630 V ~	W N 110 / 3 / 7	
C 711	1	Kf. - Kondensator	0,1 µF / 20 % / 100 V ~	W N 110 / 3 / 7	
C 712	1	Elko	47 µF / 20 % / 6,3 V ~	W N 110 / 5 / 61	
C 713	1	Kf. - Kondensator	180 pF / 2,5 % / 160 V ~	W N 110 / 3 / 1	
C 714	1	Elko	22 µF / 20 % / 16 V ~	W N 110 / 5 / 61	
C 715	1	Ker - Kondensator	2,2 nF / +50 -20 % /	W N 110 / 2 / 4	
C 716	1	Elko	2,2 µF / 20 % / 35 V ~	W N 110 / 5 / 61	
C 717	1	Elko	10 µF / 20 % / 16 V ~	W N 110 / 5 / 61	
C 718	1	Kf. - Kondensator	0,22 µF / 20 % / 100 V ~	W N 110 / 3 / 7	
C 719	1	Kf. - Kondensator	10 nF / 20 % / 630 V ~	W N 110 / 3 / 7	
C 720	1	Kf. - Kondensator	0,1 µF / 20 % / 100 V ~	W N 110 / 3 / 7	
C 721	1	Elko	47 µF / 20 % / 6,3 V ~	W N 110 / 5 / 61	
C 722	1	Kf. - Kondensator	180 pF / 2,5 % / 160 V ~	W N 110 / 3 / 1	
C 723	1	Elko	22 µF / 20 % / 16 V ~	W N 110 / 5 / 61	
C 724	1	Ker - Kondensator	2,2 nF / +50 -20 % /	W N 110 / 2 / 4	
C 725	1	Elko	2,2 µF / 20 % / 35 V ~	W N 110 / 5 / 61	
C 726	1	Elko	10 µF / 20 % / 16 V ~	W N 110 / 5 / 61	
C 727	1	Kf. - Kondensator	0,22 µF / 20 % / 100 V ~	W N 110 / 3 / 7	
C 728	1	Kf. - Kondensator	0,1 µF / 20 % / 100 V ~	W N 110 / 3 / 7	
C 729	1	Kf. - Kondensator	0,1 µF / 20 % / 100 V ~	W N 110 / 3 / 7	
C 730	1	Elko	1 µF / 20 % / 35 V ~	W N 110 / 5 / 61	
C 731	1	Elko	1 µF / 20 % / 35 V ~	W N 110 / 5 / 61	

Teil	Stck	Bezeichnung	Elektrische Werte	Bestellangaben Benennung	Hersteller, Anmerkgn
T 701	1	Transistor		2 N 3251	SGS
T 702	1	Transistor		BCY 59 D	Intermetall 1)
T 703	1	Transistor		BCY 59 D	Intermetall 1)
T 704	1	Transistor		BCY 59 D	Intermetall 1)
T 705	1	Transistor		BCY 59 D	Intermetall 1)
T 706	1	Transistor		2 N 3251	SGS
T 707	1	Transistor		BCY 59 D	Intermetall 1)
T 708	1	Transistor		BCY 59 D	Intermetall 1)
T 709	1	Transistor		BCY 59 D	Intermetall 1)
T 710	1	Transistor		BCY 59 D	Intermetall 1)
T 711	1	Transistor		BCY 59 D	Intermetall 1)
T 712	1	Transistor		2 N 3251	
T 713					
	18	Transistoren		BCY 59 D	Intermetall 1)
T 730					
T 731					
T 732					
	4	Transistoren		BCY 59 D	Intermetall 1)
T 735					
G1 701					
	11	Diode		1 N 914 / 1 N 4448	
G1 711					
G1 715 : G1 724					BN 341/5
Ü 701	1	Übertrager		Bv. 341 - 7725	*)
Ü 702	1	Übertrager		Bv. 341 - 7726	*)
Ü 703	1	Übertrager		Bv. 341 - 7727	*)
Ü 704	1	Übertrager		Bv. 341 - 7728	*)
Ü 705	1	Übertrager		Bv. 341 - 7729	*)
Ü 706	1	Übertrager		Bv. 341 - 7729	*)
Bu 701	1	Buchse	50 polig	4 K 119 / 5 / 5	
St 701	1	Stecker	50 polig	W K 119 / 5 / 5	

1) Serie ...N: BST 80

*) in Sonderausführung anderer Wert oder entfällt

Teiler dB, ZF-Verstärker SPM-6
Attenuator dB, IF Amplifier BN 341/4 (7)

Teil	Stck	Bezeichnung	Elektrische Werte	Bestellangaben Benennung	Hersteller, Anmerkgn
R 801	1	Schichtwiderstand	220 kΩ / 5 % / 0,25 W / KT 2	WN 18 / 3 / 1	
R 802	1	Schichtwiderstand	1,2 MΩ / 5 % / 0,25 W / KT 2	WN 18 / 3 / 1	
R 803	1	Schichtwiderstand	180 Ω / 5 % / 0,25 W / KT 2	WN 18 / 3 / 1	
R 804	1	Schichtwiderstand	100 kΩ / 5 % / 0,25 W / KT 2	WN 18 / 3 / 1	
R 805	1	Schichtwiderstand	47 kΩ / 5 % / 0,25 W / KT 2	WN 18 / 3 / 1	
R 806	1	Schichtwiderstand	47 kΩ / 5 % / 0,25 W / KT 2	WN 18 / 3 / 1	
R 807					341/2 *)
R 808	1	Schichtwiderstand	100 Ω / 5 % / 0,25 W / KT 2	WN 18 / 3 / 1	341/2 *)
R 809	1	Schichtwiderstand	7,5 kΩ / 1 % / 0,25 W / KT 0,5	Lv 18 / 1 / 3	341/2 *)
R 810	1	Schichtwiderstand	43 kΩ / 1 % / 0,25 W / KT 0,5	Lv 18 / 1 / 3	341/2 *)
R 811	1	Schichtwiderstand	8,2 kΩ / 1 % / 0,25 W / KT 0,5	Lv 18 / 1 / 3	341/2 *)
R 812	1	Schichtwiderstand	29 kΩ / 1 % / 0,25 W / KT 0,5	Lv 18 / 1 / 3	341/2 *)
R 813	1	Schichtwiderstand	47 kΩ / 5 % / 0,25 W / KT 2	WN 18 / 3 / 1	
R 814	1	Schichtwiderstand	390 Ω / 1 % / 0,25 W / KT 0,5	Lv 18 / 1 / 3	
R 815	1	Schichtwiderstand	39 kΩ / 5 % / 0,25 W / KT 2	WN 18 / 3 / 1	
R 816	1	Schichtwiderstand	270 kΩ / 5 % / 0,25 W / KT 2	WN 18 / 3 / 1	
R 817	1	Schichtwiderstand	2,7 kΩ / 5 % / 0,25 W / KT 2	WN 18 / 3 / 1	
R 818	1	Schichtwiderstand	330 kΩ / 5 % / 0,25 W / KT 2	WN 18 / 3 / 1	
R 819	1	Schichtwiderstand	120 kΩ / 5 % / 0,25 W / KT 2	WN 18 / 3 / 1	
R 820	1	Schichtwiderstand	180 Ω / 5 % / 0,25 W / KT 2	WN 18 / 3 / 1	
R 821	1	Schichtwiderstand	220 kΩ / 5 % / 0,25 W / KT 2	WN 18 / 3 / 1	
R 822	1	Schichtwiderstand	220 Ω / 5 % / 0,25 W / KT 2	WN 18 / 3 / 1	
R 823	1	Schichtwiderstand	330 kΩ / 5 % / 0,25 W / KT 2	WN 18 / 3 / 1	
R 824	1	Schichtwiderstand	22 kΩ / 5 % / 0,25 W / KT 2	WN 18 / 3 / 1	
R 825	1	Schichtwiderstand	22 kΩ / 5 % / 0,25 W / KT 2	WN 18 / 3 / 1	
R 826	1	Schichtwiderstand	100 Ω / 1 % / 0,25 W / KT 0,5	Lv 18 / 1 / 3	
R 827	1	Schichtwiderstand	27 kΩ / 5 % / 0,25 W / KT 2	WN 18 / 3 / 1	
R 828	1	Schichtwiderstand	3,2 kΩ / 1 % / 0,25 W / KT 0,5	Lv 18 / 1 / 3	
R 829	1	Schichtwiderstand	220 Ω / 5 % / 0,25 W / KT 2	WN 18 / 3 / 1	
R 830	1	Schichtwiderstand	10 kΩ / 5 % / 0,25 W / KT 2	WN 18 / 3 / 1	
R 831	1	Schichtwiderstand	18 kΩ / 5 % / 0,25 W / KT 2	WN 18 / 3 / 1	
R 832	1	Schichtwiderstand	270 Ω / 5 % / 0,25 W / KT 2	WN 18 / 3 / 1	
R 833	1	Schichtwiderstand	100 Ω / 5 % / 0,25 W / KT 2	WN 18 / 3 / 1	
R 834	1	Schichtwiderstand	1 kΩ / 1 % / 0,25 W / KT 0,5	Lv 18 / 1 / 3	
R 835	1	Schichtwiderstand	27 Ω / 1 % / 0,25 W / KT 0,5	Lv 18 / 1 / 3	
R 836	1	Schichtwiderstand	68 Ω / 1 % / 0,25 W / KT 0,5	Lv 18 / 1 / 3	
R 837	1	Schichtwiderstand	560 kΩ / 5 % / 0,25 W / KT 2	WN 18 / 3 / 1	
R 838	1	Schichtwiderstand	100 kΩ / 5 % / 0,25 W / KT 2	WN 18 / 3 / 1	
R 839	1	Schichtwiderstand	9,09 kΩ / 1 % / 0,25W/ KT 0,5	Lv 18 / 1 / 3	
R 840	1	Schichtwiderstand	9,12 kΩ / 1 % / 0,25W/ KT 0,5	Lv 18 / 1 / 3	
R 841	1	Schichtwiderstand	2,769 kΩ / 1 % / 0,25W/ KT 0,5	Lv 18 / 1 / 3	
R 842	1	Schichtwiderstand	21,46 kΩ / 1 % / 0,25W/ KT 0,5	Lv 18 / 1 / 3	
R 843	1	Schichtwiderstand	48,33 kΩ / 1 % / 0,25W/ KT 0,5	Lv 18 / 1 / 3	
R 844	1	Schichtwiderstand	12,27 kΩ / 1 % / 0,25W/ KT 0,5	Lv 18 / 1 / 3	
R 845	1	Schichtwiderstand	16,73 kΩ / 1 % / 0,25W/ KT 0,5	Lv 18 / 1 / 3	
R 846	1	Schichtwiderstand	468,1 kΩ / 1 % / 0,25W/ KT 0,5	Lv 18 / 1 / 3	
R 847	1	Schichtwiderstand	4,402 kΩ / 1 % / 0,25W/ KT 0,5	Lv 18 / 1 / 3	
R 848	1	Schichtwiderstand	9,65 kΩ / 1 % / 0,25W/ KT 0,5	Lv 18 / 1 / 3	
R 849	1	Schichtwiderstand	60,35 kΩ / 1 % / 0,25W/ KT 0,5	Lv 18 / 1 / 3	
R 850	1	Schichtwiderstand	9,25 kΩ / 1 % / 0,25W/ KT 0,5	Lv 18 / 1 / 3	

Teil	Stck	Bezeichnung	Elektrische Werte	Bestellangaben Benennung	Hersteller, Anmerkgn
R 851	1	Schichtwiderstand	19,75 kΩ / 1 % / 0,25W/ KT 0,5	Lv 18 / 1 / 3	
R 852	1	Schichtwiderstand	513,9 kΩ / 1 % / 0,25W/ KT 0,5	Lv 18 / 1 / 3	
R 853	1	Schichtwiderstand	12,51 kΩ / 1 % / 0,25W/ KT 0,5	Lv 18 / 1 / 3	
R 854	1	Schichtwiderstand	44,82 kΩ / 0,5 % /0,25W/ KT 0,5	Lv 18 / 1 / 3	
R 855	1	Schichtwiderstand	6,28 kΩ / 1 % / 0,25W/ KT 0,5	Lv 18 / 1 / 3	
R 856	1	Schichtwiderstand	22,72 kΩ / 1 % / 0,25W/ KT 0,5	Lv 18 / 1 / 3	
R 857	1	Schichtwiderstand	25,85 kΩ / 1 % / 0,25W/ KT 0,5	Lv 18 / 1 / 3	
R 858	1	Schichtwiderstand	3,28 kΩ / 1 % / 0,25W/ KT 0,5	Lv 18 / 1 / 3	
R 859	1	Schichtwiderstand	25,22 kΩ / 1 % / 0,25W/ KT 0,5	Lv 18 / 1 / 3	
R 860	1	Schichtwiderstand	47,46 kΩ / 1 % / 0,25W/ KT 0,5	Lv 18 / 1 / 3	
R 861	1	Schichtwiderstand	3,73 kΩ / 1 % / 0,25W/ KT 0,5	Lv 18 / 1 / 3	
R 862	1	Schichtwiderstand	25,27 kΩ / 1 % / 0,25W/ KT 0,5	Lv 18 / 1 / 3	
R 863	1	Schichtwiderstand	30,7 kΩ / 1 % / 0,25W/ KT 0,5	Lv 18 / 1 / 3	
R 864	1	Schichtwiderstand	42,5 kΩ / 1 % / 0,25W /KT 0,5	Lv 18 / 1 / 3	
R 865	1	Schichtwiderstand	180 Ω / 5 % / 0,25 W / KT 2	WN 18 / 3 / 1	
R 866	1	Schichtwiderstand	56 kΩ / 5 % / 0,25 W / KT 2	WN 18 / 3 / 1	
R 867	1	Schichtwiderstand	47 kΩ / 5 % / 0,25 W / KT 2	WN 18 / 3 / 1	
R 868	1	Schichtwiderstand	180 Ω / 5 % / 0,25 W / KT 2	WN 18 / 3 / 1	
R 869	1	Schichtwiderstand	150 Ω / 5 % / 0,25 W / KT 2	WN 18 / 3 / 1	
R 870	1	Schichtwiderstand	330 kΩ / 1 % / 0,25 W / KT 0,5	Lv 18 / 1 / 3	
R 871	1	Schichtwiderstand	2200 / 5 % / 0,25 W / KT 2	WN 18 / 3 / 1	
R 872	1	Schichtwiderstand	100 kΩ / 5 % / 0,25 W / KT 2	WN 18 / 3 / 1	
R 873	1	Schichtwiderstand	390 kΩ / 5 % / 0,25 W / KT 2	WN 18 / 3 / 1	
R 874	1	Schichtwiderstand	330 kΩ / 5 % / 0,25 W / KT 2	WN 18 / 3 / 1	
R 875	1	Schichtwiderstand	680 kΩ / 5 % / 0,25 W / KT 2	WN 18 / 3 / 1	
R 876	1	Schichtwiderstand	330 kΩ / 1 % / 0,25 W / KT 0,5	Lv 18 / 1 / 3	
R 877	1	Schichtwiderstand	150 Ω / 5 % / 0,25 W / KT 2	WN 18 / 3 / 1	
R 878	1	Schichtwiderstand	180 Ω / 5 % / 0,25 W / KT 2	WN 18 / 3 / 1	
R 879	1	Schichtwiderstand	12 kΩ / 5 % / 0,25 W / KT 2	WN 18 / 3 / 1	
R 880	1	Schichtwiderstand	150 kΩ / 5 % / 0,25 W / KT 2	WN 18 / 3 / 1	
R 881	1	Schichtwiderstand	56 kΩ / 5 % / 0,25 W / KT 2	WN 18 / 3 / 1	
R 882	1	Heißl.-Schichtwiderstand	11,2kΩ / 1 % / 150 mW / TK 50	HEAD	Stenog
R 883	1	Schichtwiderstand	10 kΩ / 1 % / 0,25 W / KT 0,5	Lv 18 / 1 / 3	
R 884	1	Schichtwiderstand	47 kΩ / 5 % / 0,25 W / KT 2	WN 18 / 3 / 1	
R 885					Abgleichwert wird evtl. von Prüffeld eingesetzt
R 886	1	Schichtwiderstand	1,8 kΩ / 5 % / 0,25 W / KT 2	WN 18 / 3 / 1	
R 887	1	Schichtwiderstand	33,7 kΩ / 1 % / 0,25 W / KT 0,5	Lv 18 / 1 / 3	
R 888	1	Schichtwiderstand	36,3 kΩ / 1 % / 0,25 W/ KT 0,5	Lv 18 / 1 / 3	
R 889	1	Schichtwiderstand	430,44Ω / 1 % / 0,25 W/ KT 0,5	Lv 18 / 1 / 3	
R 890	1	Schichtwiderstand	22 kΩ / 5 % / 0,25 W / KT 2	WN 18 / 3 / 1	
R 891	1	Schichtwiderstand	5,6 kΩ / 5 % / 0,25 W / KT 2	WN 18 / 3 / 1	
R 892	1	Heißleiter	100 Ω / ϑ 20 % / - 3,5 % / °C	K 17 b 0 63012-K 101-M	Siemens
R 893	1	Schichtwiderstand	2,7 kΩ / 5 % / 0,25 W / KT 2	WN 18 / 3 / 1	
R 894	1	Schichtwiderstand	560 kΩ / 5 % / 0,25 W / KT 2	WN 18 / 3 / 1	
R 895	1	Schichtwiderstand	47 kΩ / 5 % / 0,25 W / KT 2	WN 18 / 3 / 1	
R 896	1	Schichtwiderstand	470 kΩ / 5 % / 0,25 W / KT 2	WN 18 / 3 / 1	
R 897	1	Schichtwiderstand	470 kΩ / 5 % / 0,25 W / KT 2	WN 18 / 3 / 1	
R 898	1	Schichtwiderstand	47 kΩ / 5 % / 0,25 W / KT 2	WN 18 / 3 / 1	
R 899	1	Schichtwiderstand	10 kΩ / 5 % / 0,25 W / KT 2	WN 18 / 3 / 1	
R 8100	1	Schichtwic.	270 kΩ / 5 % / KT 2 / 0309	WN 18 / 3 / 1	

*) in Sonderausführung anderer Wert oder entfällt

Teil	Stck	Bezeichnung	Elektrische Werte	Bestellangaben Benennung	Hersteller, Anmerkgn
R 8101	1	Schichtwid.	[illegible]	WN 18 / 3 / 1	
R 8102	1	Schichtwid.	[illegible]	WN 18 / 3 / 1	
R 8106	1	Schichtwid.	470 kΩ/5%/K12/0309		nur Serie H1
R 8107	1	Schichtwid.	150 kΩ/5%/K12/0309		nur Serie H1
R 8108	1	Schichtwid.	39 kΩ / 5 % / K1.2 / 0309	WN 18 / 3 / 1	
R 8109	1	Schichtwid.	47 kΩ / 5 % / K1.2 / 0309	WN 18 / 3 / 1	
R 8110	1	Schichtwid.	56 kΩ / 5 % / K1.2 / 0309	WN 18 / 3 / 1	
R 8111	1	Schichtwid.	56,3 kΩ / 0,5 % /K1..5/0309	WN 18 / 1 / 3	
R 8112	1	Schichtwid.	56,3 kΩ / 0,5 % /K1..5/0309	WN 18 / 1 / 3	
R 8114	1	Schichtwiderstand	100 Ω / 5 % / K1 2 / 0309	WN 18 / 3 / 1	
R 8115					341/5
R 8117	1	Schichtwid.	150 kΩ / 5 % / K1 2 / 0309	WN 18 / 3 / 1	1)
R 8118	1	Schichtwid.	2,2 MΩ / 5 % / K1 2 / 0309	WN 18 / 3 / 1	1)
R 8119	1	Schichtwid.	15 kΩ / 5 % / K1 2 / 0309	WN 18 / 3 / 1	1)
R 8120	1	Schichtwid.	220 kΩ / 5 % / K1 2 / 0309	WN 18 / 3 / 1	1)
R 8121	1	Schichtwid.	820 kΩ / 5 % / K1 2 / 0309	WN 18 / 3 / 1	1)
P 801	1	Spindelwiderstand	1 kΩ / 10 % / 0,7 W	WN 17 / 4 / 4	
P 802	1	Schichtdrehwiderst	10 kΩ / 0,5 W / lin	T W N 17 / 2 / 8.	
P 803	1	Spindelwiderstand	1 kΩ / 10 % / 0,7 W	WN 17 / 4 / 4	
P 804	1	Schichtdrehwiderst	10 kΩ / 0,5 W / lin	T W N 17 / 2 / 8.	
P 805	1	Spindelwiderstand	1 kΩ / 10 % / 0,7 W	WN 17 / 4 / 4	
P 806	1	Spindelwiderstand	1 kΩ / 10 % / 0,7 W	WN 17 / 4 / 4	
P 807	1	Spindelwiderstand	1 kΩ / 10 % / 0,7 W	WN 17 / 4 / 4	
P 808	1	Spindelwiderstand	1 kΩ / 10 % / 0,7 W	WN 17 / 4 / 4	
P 809	1	Spindelwiderstand	5 kΩ / 10 % / 0,7 W	WN 17 / 4 / 4	
P 810	1	Spindelwiderstand	1 kΩ / 10 % / 0,7 W	WN 17 / 4 / 4	
P 811	1	Schichtdrehwiderst	[illegible]	T W N 17 / 2 / 8.	
P 812					BN 341/5
C 801	1	Kf. - Kondensator	0,1 µF / 20 % / 100 V -	WN 110 / 3 / 7	
C 802	1	Kf. - Kondensator	0,1 µF / 20 % / 100 V -	WN 110 / 3 / 7	
C 803	1	Kf. - Kondensator	23,8 pF / 1 % / 350 V -	WN 110 / 3 / 3	
C 804	1	Kf. - Kondensator	1 µF / 10 % / 100 V -	MKT 1822 - 510 / 0	Ero
C 805	1	Kf. - Kondensator	56 pF / 1 % / 160 V -	WN 110 / 3 / 3	
C 806	1	Kf. - Kondensator	0,1 µF / 20 % / 100 V -	WN 110 / 3 / 7	
C 807	1	Kf. - Kondensator	0,22 µF / 20 % / 100 V -	WN 110 / 3 / 7	
C 808	1	Kf. - Kondensator	560 pF / 2 % / 160 V -	WN 110 / 3 / 3	
C 809	1	Ker - Kondensator	150 pF / 2 % /	WN 110 / 2 / 3	

nur Serie H1: 1) entfällt (Ausnahme Verbaugerät BN 341/5)

Teil	Stck	Bezeichnung	Elektrische Werte	Bestellangaben Benennung	Hersteller, Anmerkgn
C 810	1	Elko	22 µF / 20 % / 16 V -	WN 110 / 5 / 61	
C 811	1	Kf. - Kondensator	10 nF / 10 % / 100 V -	WN 110 / 3 / 6	
C 812	1	Kf. - Kondensator	10 nF / 10 % / 100 V -	WN 110 / 3 / 6	
C 813	1	Elko	22 µF / 20 % / 16 V -	WN 110 / 5 / 61	
C 814	1	Kf. - Kondensator	0,22 µF / 20 % / 100 V -	WN 110 / 3 / 7	
C 815	1	Ker - Kondensator	47 pF / 2 % -	WN 110 / 2 / 3	
C 816	1	Elko	22 µF / 20 % / 16 V-	WN 110 / 5 / 61	
C 817	1	Kf. - Kondensator	62 nF / 2 % / 63 V -	WN 110 / 3 / 7	
C 818	1	Kf. - Kondensator	27 nF / 2 % / 63 V -	WN 110 / 3 / 3	
C 819	1	Kf. - Kondensator	1 µF / 10 % / 100 V -	MKT 1822 - 510 / 0	Ero
C 820	1	Kf. - Kondensator	10 nF / 10 % / 100 V -	WN 110 / 3 / 6	
C 821	1	Kf. - Kondensator	0,1 µF / 20 % / 100 V -	WN 110 / 3 / 7	
C 822	1	Kf. - Kondensator	0,1 µF / 10 % / 100 V -	MKT 1822 - 510 / 0	Ero
C 823	1	Kf. - Kondensator	0,1 µF / 20 % / 100 V -	WN 110 / 3 / 7	
C 824	1	Kf. - Kondensator	220 pF / 2 % / 160 V-	WN 110 / 3 / 3	
C 825	1	Kf.-Kond.	0,47 µF / 20 % / 100 V -	WN 110 / 3 / 7	
C 826	1	Elko	22 µF / 20 % / 16 V -	WN 110 / 5 / 61	
C 827	1	Elko	2,2 µF / 20 % / 35 V	WN 110 / 5 / 61	nur ETR - 2 H1
T 801	1	Transistor		BCY 59 D	3)
T 802	1	Transistor		BCY 59 D	3)
T 803	1	Transistor		BCY 59 D	3)
T 804	1	Transistor		BCY 59 D	3)
T 805	1	Transistor		BCY 59 D	3)
T 806	1	Transistor		BCY 59 D	3)
T 807	1	Transistor		DV 7154	
T 808	1	Transistor		BFT 81	
T 809	1	Transistor		BCY 59 D	3)
T 810	1	Transistor		BCY 59 D	3)
T 811	1	Transistor		DV 7154	
T 812	1	Transistor		BCY 59 D	3)
T 813	1	Transistor		DV 7154	
T 814	1	Transistor		2 N 930 / BFX 93	
T 815	1	Transistor		2 N 930 / BFX 93	
T 816	1	Transistor		DV 7154	
T 817	1	Transistor		BCY 59 D	3)
T 818	1	Transistor		BFT 81	
T 819	1	Transistor		BCY 59 D	3)
T 820	1	Transistor		BCY 59 D	3)
T 821	1	Transistor		BCY 59 D	3)
T 822	1	Transistor		DV 7154	
T 823	1	Transistor		BCY 59 D	3)
T 824	1	Transistor		DV 7154	
T 825	1	Transistor		DV 7154	

3) Serie ...H: BSY 80

Teil	Stck.	Bezeichnung	Elektrische Werte	Bestellangaben Benennung	Hersteller, Anmerkgn
T 826	1	Transistor		E 103	
T 827	1	Transistor		2 N 930 / BFX 93	
T 828	1	Transistor		DN 7154	
T 829	1	Transistor		E 103	
T 830	1	Transistor		DN 7154	
T 831	1	Transistor		E 103	
T 832					341/5
T 833	1	Transistor		BFY 81	
T 834	1	Transistor		DN 7154	nur H1
T 835	1	Transistor		2 N 930	nur H1
D 809					
:	13	Diode		1 N 914 / 1 N 4448	
D 821					
D 825	1	Diode		1 N 914 / 1 N 4448	
D 826	1	Diode		1 N 914 / 1 N 4448	
D 827	1	Diode		1 N 4448	nur H1

Teil	Stck.	Bezeichnung	Elektrische Werte	Bestellangaben Benennung	Hersteller, Anmerkgn
Ü 801	1	Übertrager		Bv. 341 - 7734	
Ü 802	1	Übertrager		Bv. 341 - 7767	
L 801	1	Spule		Bv. 341 - 7833	
L 802	1	Spule		Bv. 341 - 7834	
S 801	1	Schalter	Kontakte 7 µm hartvergoldet 4 x 3 Kontakte, kurzschließend	Typ 1704 k Achsl. 20 mm	SEL (Wirklac)
Bu 801	1	Buchse		W N 119 / 1 / 5	
Rel 801	1	Relais		Bv. 341 - 8201.7	

Ausgangsschaltung SPM-6
Output Circuit BN 341/4 (8)

Teil	Stck.	Bezeichnung	Elektrische Werte	Bestellangaben Benennung	Hersteller, Anmerkgn
R 901	1	Schichtwiderstand	18 kΩ / 5 % / K1 2 / 0309	WN 18 / 3 / 1	
R 902	1	Schichtwiderstand	10 kΩ / 5 % / K1 2 / 0309	WN 18 / 3 / 1	
R 903	1	Schichtwiderstand	2,2 MΩ / 5 % / K1 2 / 0309	WN 18 / 3 / 1	
R 904	1	Schichtwiderstand	680 kΩ / 5 % / K1 2 / 0309	WN 18 / 3 / 1	
R 905	1	Schichtwiderstand	220 kΩ / 5 % / K1 2 / 0309	WN 18 / 3 / 1	
R 906	1	Schichtwiderstand	220 kΩ / 5 % / K1 2 / 0309	WN 18 / 3 / 1	
R 907	1	Schichtwiderstand	220 kΩ / 5 % / K1 2 / 0309	WN 18 / 3 / 1	
R 908	1	Schichtwiderstand	220 kΩ / 5 % / K1 2 / 0309	WN 18 / 3 / 1	
R 909	1	Schichtwiderstand	680 kΩ / 5 % / K1 2 / 0309	WN 18 / 3 / 1	
R 910	1	Schichtwiderstand	100 kΩ / 5 % / K1 2 / 0309	WN 18 / 3 / 1	
R 911	1	Schichtwiderstand	200 kΩ / 1 % / K1 0,5 / 0309	WN 18 / 1 / 3	
R 912	1	Schichtwiderstand	820 kΩ / 5 % / K1 2 / 0309	WN 18 / 3 / 1	
R 913	1	Schichtwiderstand	10 kΩ / 5 % / K1 2 / 0309	WN 18 / 3 / 1	
R 914	1	Schichtwiderstand	120 kΩ / 5 % / K1 2 / 0309	WN 18 / 3 / 1	
R 915	1	Schichtwiderstand	39 kΩ / 5 % / K1 2 / 0309	WN 18 / 3 / 1	
R 916	1	Schichtwiderstand	8,2 kΩ / 5 % / K1 2 / 0309	WN 18 / 3 / 1	
R 917	1	Schichtwiderstand	82 kΩ / 5 % / K1 2 / 0309	WN 18 / 3 / 1	
R 918	1	Schichtwiderstand	82 kΩ / 5 % / K1 2 / 0309	WN 18 / 3 / 1	
R 919	1	Schichtwiderstand	56 kΩ / 5 % / K1 2 / 0309	WN 18 / 3 / 1	
R 920	1	Schichtwiderstand	4,7 kΩ / 5 % / K1 2 / 0309	WN 18 / 3 / 1	
R 921	1	Schichtwiderstand	270 kΩ / 5 % / K1 2 / 0309	WN 18 / 3 / 1	
R 922	1	Schichtwiderstand	6,8 kΩ / 5 % / K1 2 / 0309	WN 18 / 3 / 1	
R 923	1	Schichtwiderstand	22 kΩ / 5 % / K1 2 / 0309	WN 18 / 3 / 1	
R 924	1	Schichtwiderstand	8,2 kΩ / 5 % / K1 2 / 0309	WN 18 / 3 / 1	
R 925	1	Schichtwiderstand	22 kΩ / 5 % / K1 2 / 0309	WN 18 / 3 / 1	

Teil	Stck.	Bezeichnung	Elektrische Werte	Bestellangaben Benennung	Hersteller, Anmerkgn
R 926	1	Schichtwiderstand	100 kΩ / 5 % / K1 2 / 0309	WN 18 / 3 / 1	
R 927	1	Schichtwiderstand	100 kΩ / 5 % / K1 2 / 0309	WN 18 / 3 / 1	
R 928	1	Schichtwiderstand	22 kΩ / 5 % / K1 2 / 0309	WN 18 / 3 / 1	
R 929	1	Schichtwiderstand	100 kΩ / 5 % / K1 2 / 0309	WN 18 / 3 / 1	
R 930	1	Schichtwiderstand	560 kΩ / 5 % / K1 2 / 0309	WN 18 / 3 / 1	
R 931	1	Schichtwiderstand	330 kΩ / 5 % / K1 2 / 0309	WN 18 / 3 / 1	
R 932	1	Schichtwiderstand	27 kΩ / 5 % / K1 2 / 0309	WN 18 / 3 / 1	
R 933	1	Schichtwiderstand	22 kΩ / 5 % / K1 2 / 0309	WN 18 / 3 / 1	
R 934	1	Schichtwiderstand	2,2 kΩ / 5 % / K1 2 / 0309	WN 18 / 3 / 1	
R 935	1	Schichtwiderstand	3,3 kΩ / 5 % / K1 2 / 0309	WN 18 / 3 / 1	
R 936	1	Schichtwiderstand	22 kΩ / 5 % / K1 2 / 0309	WN 18 / 3 / 1	
R 937	1	Schichtwiderstand	270 kΩ / 5 % / K1 2 / 0309	WN 18 / 3 / 1	
R 938	1	Schichtwiderstand	22 kΩ / 5 % / K1 2 / 0309	WN 18 / 3 / 1	
R 939	1	Schichtwiderstand	470 kΩ / 5 % / K1 2 / 0309	WN 18 / 3 / 1	
R 940	1	Schichtwiderstand	100 kΩ / 5 % / K1 2 / 0309	WN 18 / 3 / 1	
R 941	1	Schichtwid.	100 kΩ/5%/K1 2/0309		341/4/5 nur H1
R 942					341/5
: R 945					
C 901	1	Kf.-Kondensator	1 µF / 10 % / 100 V -	MKT 1822 - 510 / 0	Ero
C 902	1	Kf.-Kondensator	10 nF / 20 % / 630 V -	WW 110 / 3 / 7	
C 903	1	Kor. Kond.	4,7 nF /+50 -20 % / 500 V	WN 110 / 2 / 4	
C 904	1	Kor. Kond.	4,7 nF /+50 -20 % / 500 V	WN 110 / 2 / 4	
C 905	1	Kf.-Kondensator	10 nF / 20 % / 630 V	WN 110 / 3 / 7	

Eichtaktgeber SPM-6
Calibrate Cycle Clock BN 341/4 (9)

Fortsetzung (continued)

Teil	Stck	Bezeichnung	Elektrische Werte	Bestellangaben Benennung	Hersteller, Anmerkgn
C 906	1	Elko	22 µF / 20 % / 16 V -	WN 110 / 5 / 61	
C 907	1	Kf.-Kondensator	6,8 nF / 5 % / 100 V -	MKT 1813 - 568 / 0	Ero
C 908	1	Elko	10 µF / 20 % / 16 V -	WN 110 / 5 / 61	
C 909	1	Kf.-Kondensator	0,22 µF / 10 % / 100 V -	MKT 1822 - 422 / 0	Ero
C 910	1	Kf.-Kondensator	47 nF / 10 % / 100 V -	MKT 1822 - 347 / 0	Ero
C 911	1	Kf.-Kondensator	0,22 µF / 10 % / 100 V -	MKT 1822 - 422 / 0	Ero
C 912					
C 913					341/5
C 914					
C 915					
G1 901					
:	14	Diode		1 N 914 / 1 N 4448	
G1 914					
T 901	1	Transistor		BCY 59 D	1)
T 902	1	Transistor		BCY 59 D	1)
T 903	1	Transistor		BCY 59 D	2)
T 904	1	Transistor		BCY 59 D	2)
T 905	1	Transistor		BCY 59 D	2)
T 906	1	Transistor		BCY 59 D	1)
T 907	1	Transistor		2 N 930 / BFX 93	
T 908	1	Transistor		2 N 930 / BFX 93	
T 909	1	Transistor		DN 7154	

Teil	Stck	Bezeichnung	Elektrische Werte	Bestellangaben Benennung	Hersteller, Anmerkgn
T 910	1	Transistor		BCY 59 D	1)
T 911	1	Transistor		BCY 59 D	1)
T 912	1	Transistor		BCY 59 D	1)
T 913	1	Transistor		BCY 59 D	1)
T 914	1	Transistor		BCY 59 D	1)
T 915	1	Transistor		DN 7154	
T 916	1	Transistor		BCY 59 D	1)
T 917	1	Transistor		DN 7154	
T 918	1	Transistor		BCY 59 D	1)
T 919	1	Transistor		DN 7154	
T 920	1	Transistor		BCY 59 D	1)
T 921					341/5
Bu 901	1	Buchse	4 polig	n. Zchng. 341-7101.00/5	
St 901	1	Stecker	4 polig	WN 319 / 3 / 2	
St 902	1	Stecker	4 polig	WN 319 / 3 / 2	
St 903	1	Stecker	4 polig	WN 319 / 3 / 2	
S 901	1	Schalter		4 WN 13 / 5 / 2	
S 902	1	Schalter		5 WN 13 / 5 / 2	
S 903					341/5

Serie ...M: 1) BSY 80 2) BSY 76

Eichtaktgeber SPM-6
Calibrate Cycle Clock BN 341/4 (9)

Teil	Stck	Bezeichnung	Elektrische Werte	Bestellangaben Benennung	Hersteller, Anmerkgn
G1 1001	1	Diode		1 N 914 / 1 N 4448	
G1 1002	1	Diode		1 N 914 / 1 N 4448	
G1 1003	1	Diode		1 N 914 / 1 N 4448	
G1 1004	1	Diode		1 N 914 / 1 N 4448	
G1 1005	1	Diode		1 N 914 / 1 N 4448	
G1 1006	1	Diode		1N 914 / 1 N 4448	
R 1001	1	Schichtwiderstand	Abgleichwert	WN 18 / 3 / 1	Prüffeld
R 1002	1	Schichtwiderstand	6,8 MΩ / 5 % / K1. 2 / 0414	WN 18 / 3 / 1	Prüffeld

Teil	Stck	Bezeichnung	Elektrische Werte	Bestellangaben Benennung, Hersteller	zu-sätzlich	entfällt	Bemerkungen
T 1001	1	Transistor		DN 7154			
T 1002	1	Transistor		DN 7154			
T 1003	1	Transistor		DN 7154			
T 1004	1	Transistor		BCY 59 D			
T 1005	1	Transistor		BCY 59 D			
T 1006	1	Transistor		DN 7154			
P 1001	1	Schichtdrehwid.	500 Ω / lin / 0,5 W	1 WN 17 / 2 / 8			
P 1002	1	Schichtdrehwid.	250 Ω / lin / 0,5 W	1 WN 17 / 2 / 8			
S 1001	1	Schalter		341 - C101.00 / 2			
G1 1007	1	Diode		1 N 4448			
G1 1008	1	Diode		1 N 4448			
G1 1009	1	Diode		1 N 4448			
G1 1010	1	Diode		1 N 4448			
G1 1011	1	Diode		1 N 4448			
R 1003	1	Schichtwid.	3,09 kΩ /1 % /K1.0,5/0309	WN 18 / 1 / 3			
R 1004	1	Schichtwid.	806 Ω /1 % /K1.0,5/0309	WN 18 / 1 / 3			
R 1005	1	Schichtwid.	8,2 kΩ / 5 % / K1.2/0309	WN 18 / 3 / 1			
R 1006	1	Schichtwid.	82 kΩ / 5 % / K1.2/0309	WN 18 / 3 / 1			
R 1007	1	Schichtwid.	3,3 kΩ / 5 % / K1.2/0309	WN 18 / 3 / 1			
R 1008	1	Schichtwid.	180 kΩ / 5 % / K1.2/ 0309	WN 18 / 3 / 1			
R 1009	1	Schichtwid.	120 kΩ / 5 % / K1.2/0309	WN 18 / 3 / 1			
R 1010	1	Schichtwid.	270 kΩ / 5 % / K1.2/0309	WN 18 / 3 / 1			
R 1011	1	Schichtwid.	22 kΩ / 5 % / K1.2/ 0309	WN 18 / 3 / 1			
R 1012	1	Schichtwid.	330 kΩ / 5 % / K1.2/ 0309	WN 18 / 3 / 1			
R 1013	1	Schichtwid.	470 kΩ / 5 % / K1.2/ 0309	WN 18 / 3 / 1			
R 1014	1	Schichtwid.	22 kΩ / 5 % / K1.2/ 0309	WN 18 / 3 / 1			
R 1015	1	Schichtwid.	100 kΩ / 5 % / K1.2/ 0309	WN 18 / 3 / 1			
R 1016	1	Schichtwid.	270 kΩ / 5 % / K1.2/ 0309	WN 18 / 3 / 1			
R 1017	1	Schichtwid.	560 kΩ / 5 % / K1.2/ 0309	WN 18 / 3 / 1			

Empfindlichkeitsschalter SPM-6
Sensitivity Switch dB/dBm BN 341/4 (10)

Teil	Stck	Bezeichnung	Bestellangaben Elektrische Werte	Benennung	Hersteller, Anmerkgn
R 1101	1	Schichtwiderstand	1 kΩ / 5 % / 0,25 W / KI 2	WN 18 / 3 / 1	
R 1102	1	Schichtwiderstand	68 kΩ / 5 % / 0,25 W / KI 2	WN 18 / 3 / 1	
R 1103	1	Schichtwiderstand	47 kΩ / 5 % / 0,25 W / KI 2	WN 18 / 3 / 1	
R 1104	1	Schichtwiderstand	150 Ω / 5 % / 0,25 W / KI 2	WN 18 / 3 / 1	
R 1105	1	Schichtwiderstand			
R 1106	1	Schichtwiderstand	12 kΩ / 5 % / 0,25 W / KI 2	WN 18 / 3 / 1	
R 1107	1	Schichtwiderstand	100 Ω / 5 % / 0,25 W / KI 2	WN 18 / 3 / 1	
R 1108	1	Schichtwiderstand	12 kΩ / 5 % / 0,25 W / KI 2	WN 18 / 3 / 1	
R 1109	1	Schichtwiderstand	68 kΩ / 5 % / 0,25 W / KI 2	WN 18 / 3 / 1	
R 1110	1	Schichtwiderstand	47 kΩ / 5 % / 0,25 W / KI 2	WN 18 / 3 / 1	
R 1111	1	Schichtwiderstand	22 kΩ / 5 % / 0,25 W / KI 2	WN 18 / 3 / 1	
R 1112	1	Schichtwiderstand	2,2 kΩ / 5 % / 0,25 W / KI 2	WN 18 / 3 / 1	
R 1113	1	Schichtwiderstand	10 kΩ / 5 % / 0,25 W / KI 2	WN 18 / 3 / 1	
R 1114	1	Schichtwiderstand	4,7 kΩ / 5 % / 0,25 W / KI 2	WN 18 / 3 / 1	
R 1115	1	Schichtwiderstand	5,6 kΩ / 5 % / 0,25 W / KI 2	WN 18 / 3 / 1	
R 1116	1	Schichtwiderstand	1 kΩ / 5 % / 0,25 W / KI 2	WN 18 / 3 / 1	
R 1117					
R 1118	1	Schichtwiderstand	1 kΩ / 5 % / 0,25 W / KI 2	WN 18 / 3 / 1	
R 1119	1	Schichtwiderstand	3,3 kΩ / 5 % / 0,25 W / KI 2	WN 18 / 3 / 1	
R 1120	1	Schichtwiderstand	56 Ω / 5 % / 0,25 W / KI 2	WN 18 / 3 / 1	
R 1121	1	Schichtwiderstand	1 kΩ / 5 % / 0309 / KI 2	WN 18 / 3 / 1	
L 1101	1	Spule	100 µH / 0,1 A	B 62501 - A - C 8	Siemens
L 1102	1	Spule	220 µH	No. 1537 - 92	Delevan
Ü 1101	1	Übertrager		Bv. 341 - 7737	

Teil	Stck	Bezeichnung	Bestellangaben Elektrische Werte	Benennung	Hersteller, Anmerkgn
C 1101	1	Kf. - Kondensat:	0,1 µF / 20 % / 100 V -	WN 110 / 3 / 7	
C 1102	1	Trimmer	2,25 / 33 pF	2 WN 111 / 2 / 4 Serie ...I: 2222 804 01009/Valvo	
C 1103	1	Ker - Kondensator	15 pF / 5 % / 500 V -	MP 0 / 18 8030 3 x 10	Valvo
C 1104	1	Elko	2,2 µF / 20 % / 20 V -	WN 110 / 5 / 61	
C 1105	1	Glimmer - Kondens.	430 pF / 1 % / 250 V -	Bf. 53 - 1	Jahre
C 1106	1	Glimmer - Kondens.	630 pF / 1 % / 250 V -	Bf. 53 - 1	Jahre
C 1107	1	Kf. - Kondensator	0,1 µF / 20 % / 100 V -	WN 110 / 3 / 7	
C 1108	1	Kf. - Kondensator	0,1 µF / 20 % / 100 V -	WN 110 / 3 / 7	
C 1109	1	Kf. - Kondensator	1,27 nF / 2 % / 63 V -	WN 110 / 3 / 3	
C 1110	1	Kf. - Kondensator	0,1 µF / 20 % / 100 V -	WN 110 / 3 / 7	
C 1111	1	Kf. - Kondensator	220 pF / 2,5 % / 160 V-	WN 110 / 3 / 1	
C 1112	1	Kf. - Kondensator	0,1 µF / 20 % / 100 V -	WN 110 / 3 / 7	
C 1113	1	Ker - Kondensator	12 pF / 5 %	WN 110 / 2 / 3	
C 1114	1	Ker - Kondensator	22 pF / 5 %	WN 110 / 2 / 3	
C 1115	1	Ker - Kondensator	22 pF / 5 %	WN 110 / 2 / 3	
T 1101	1	Transistor		2 N 708 / BSX 88	
T 1102	1	Transistor		2 N 708 / BSX 88	
T 1103	1	Transistor		2 N 708 / BSX 88	
T 1104	1	Transistor		2 N 708 / BSX 88	
T 1105	1	Transistor		BSX 29	
T 1106	1	Transistor		2 N 708 / BSX 88	
T 1107	1	Transistor		BSX 29	
T 1108	1	Transistor		2 N 708 / BSX 88	
	1	Rohrkern	8 x 4 x 30	B 62110 - A 8018 - X 025	Siemens
Q 1101	1	Quarz	wahlweise	nach Bv. 341 - 9701 (Quarzkeramik) oder Bv. 341 - 9703 (Siemens)	

1-MHz-Oszillator, Impulsformer SPM-6
1 MHz Oscillator, Pulse Shaper BN 341/4 (11)

Teil	Stck	Bezeichnung	Bestellangaben Elektrische Werte	Benennung	Hersteller, Anmerkgn
R 1201	1	Schichtwiderstand	15 kΩ / 5% / KI 2 / 0309	WN 18 / 3 / 1	
R 1202	1	Schichtwiderstand	22 kΩ / 5% / KI 2 / 0309	WN 18 / 3 / 1	
R 1203	1	Schichtwiderstand	22 kΩ / 5% / KI 2 / 0309	WN 18 / 3 / 1	
R 1204	1	Schichtwiderstand	680 Ω / 5% / KI 2 / 0309	WN 18 / 3 / 1	
R 1205	1	Schichtwiderstand	1,8 kΩ / 5% / KI 2 / 0309	WN 18 / 3 / 1	
R 1206	1	Schichtwiderstand	220 Ω / 5% / KI 2 / 0309	WN 18 / 3 / 1	
R 1207	1	Schichtwiderstand	39 Ω / 5% / KI 2 / 0309	WN 18 / 3 / 1	
R 1208	1	Schichtwiderstand	100 Ω / 5% / KI 2 / 0309	WN 18 / 3 / 1	
R 1209	1	Schichtwiderstand	12 kΩ / 5% / KI 2 / 0309	WN 18 / 3 / 1	
R 1210	1	Schichtwiderstand	27 kΩ / 5% / KI 2 / 0309	WN 18 / 3 / 1	
C 1201	1	Drahko		Bv. 341 - 9302	1)
C 1202	1	Trimmer	1,75 / 15,5 pF	1 WN 111 / 2 / 4	2)
C 1203	1	Elko	10 µF / 20% / 16 V -	WN 110 / 5 / 61	
C 1204	1				
C 1205	1	Ker. - Kondensator	120 pF / 2% / 500 V - / N 150	WN 110 / 2 / 5	
C 1206	1	Kf. - Kondensator	3,9 nF / 5% / 63 V -	CKS 3900 / 5 / 63 / 40	Schmann
C 1207	1	Ker. - Kondensator	180 pF / 2% / 500 V - / NPO	WN 11 . . .	
C 1208	1	Kf. - Kondensator	0,1 µF / 20% / 100 V -	MKT	

1) Serie I teilweise : Bv. 341-9301 2) Serie ...I: 2222 804 01007/Valvo

Teil	Stck	Bezeichnung	Bestellangaben Elektrische Werte	Benennung	Hersteller, Anmerkgn
C 1209	1	Ker. - Kondensator	100 pF / 2% / 500 V - /NPO	WN 110 / 2 / 5	
C 1210	1	Kf. - Kondensator	0,1 µF / 20% / 100 V -	WN 110 / 3 / 7	
C 1211	1	Kf. - Kondensator	0,1 µF / 20% / 100 V -	MKT 1813-410/0	ERO
C 1212	1	Kf. - Kondensator	0,1 µF / 20% / 100 V -	MKT 1813-410,0	ERO
C 1213	1	Kf. - Kondensator	0,1 µF / 20% / 100 V -	MKT 1813-410/3	ERO
L 1201	1	Spule		Bv. 341 - 7895. 1	
L 1202	1	Spule	33 µH	No. 1537 - 52	Amphenol
L 1203	1	Dämpfungsperle		4 312 020 31050	Valvo
L 1204	1	Dämpfungsperle		4 312 020 31050	Valvo
T 1201	1	Transistor		2 N 708 / BSX 88	
T 1202	1	Transistor		2 N 3546	
T 1203	1	Transistor		2 N 708 / BSX 88	
St 1201	1	Stecker		WN 119 / 8 / 1	
St 1202	1	Stecker		WN 119 / 8 / 1	BN 341/3 *)
Bu 1201	1	Buchse		2 WN 119 / 8 / 1	
Bu 1202	1	Buchse		BNC 9 8 WN 119 / 9 / 4	

*) in Sonderausführung anderer Wert oder entfällt

Interpolationsoszillator SPM-6
Interpolation Oscillator BN 341/4 (12)

Teil	Stck	Bezeichnung	Bestellangaben: Elektrische Werte	Bestellangaben: Benennung	Hersteller, Anmerkgn
R 1301	1	Schichtwiderstand	150 Ω / 5 % / 0,25 W / K1 2	WN 18 / 3 / 1	
R 1302	1	Schichtwiderstand	47 kΩ / 5 % / 0,25 W / K1 2	WN 18 / 3 / 1	341/5 *)
R 1303	1	Schichtwiderstand	10 kΩ / 5 % / 0,25 W / K1 2	WN 18 / 3 / 1	
R 1304	1	Schichtwiderstand	100 Ω / 5 % / 0,25 W / K1 2	WN 18 / 3 / 1	
R 1305	1	Schichtwiderstand	3,3 kΩ / 5 % / 0,25 W / K1 2	WN 18 / 3 / 1	341/5 *)
R 1306	1	Schichtwiderstand	100 Ω / 5 % / 0,25 W / K1 2	WN 18 / 3 / 1	
R 1307	1	Schichtwiderstand	27 kΩ / 5 % / 0,25 W / K1 2	WN 18 / 3 / 1	341/5 *)
R 1308	1	Schichtwiderstand	10 kΩ / 5 % / 0,25 W / K1 2	WN 18 / 3 / 1	
R 1309	1	Schichtwiderstand	150 Ω / 5 % / 0,25 W / K1 2	WN 18 / 3 / 1	
R 1310	1	Schichtwiderstand	3,3 kΩ / 5 % / 0,25 W / K1 2	WN 18 / 3 / 1	341/5 *)
R 1311	1	Schichtwiderstand	100 Ω / 5 % / 0,25 W / K1 2	WN 18 / 3 / 1	
R 1312	1	Schichtwiderstand	27 kΩ / 5 % / 0,25 W / K1 2	WN 18 / 3 / 1	341/5 *)
R 1313	1	Schichtwiderstand	10 kΩ / 5 % / 0,25 W / K1 2	WN 18 / 3 / 1	
R 1314	1	Schichtwiderstand	100 Ω / 5 % / 0,25 W / K1 2	WN 18 / 3 / 1	
R 1315	1	Schichtwiderstand	3,3 kΩ / 5 % / 0,25 W / K1 2	WN 18 / 3 / 1	341/5 *)
R 1316	1	Schichtwiderstand	2,7 kΩ / 5 % / 0,25 W / K1 2	WN 18 / 3 / 1	341/5 *)
R 1317	1	Schichtwiderstand	2,7 kΩ / 5 % / 0,25 W / K1 2	WN 18 / 3 / 1	
R 1318	1	Schichtwiderstand	68 Ω / 5 % / 0,25 W / K1 2	WN 18 / 3 / 1	
R 1319	1	Schichtwiderstand	27 kΩ / 5 % / 0,25 W / K1 2	WN 18 / 3 / 1	
R 1320	1	Schichtwiderstand	10 kΩ / 5 % / 0,25 W / K1 2	WN 18 / 3 / 1	
R 1321					
R 1322					341/5
R 1323					
C 1301	1	Kf. - Kondensator	0,1 µF / 20 % / 100 V ~	WN 110 / 3 / 7	
C 1302	1	Glimmer - Kondens.	330 pF / 10 % / 250 V ~	Bf. 53 - 1	Jahre
C 1303	1	Trimmer	10 / 40 pF / N 750	WN 111 / 1 / 2	
C 1304		Ker - Kondensator	3 pF /P100 3,9...12pF /N 033 15...22pF /N 033	WN 110/2/6 WN 110/2/6 WN 110/2/7	341/5 *) Abgleichwert
C 1305	1	Trimmer	10 / 40 pF / N 750	WN 111 / 1 / 2	
C 1306	1	Glimmer-Kondensator	100 pF / 5 % / 250 V ~	Bf. 53 - 1	Jahre
C 1307	1	Kf. - Kondensator	0,1 µF / 20 % / 100 V ~	WN 110 / 3 / 7	
C 1308	1	Glimmer - Kondens.	330 pF / 10 % / 250 V ~	Bf. 53 - 1	Jahre
C 1309	1	Trimmer	10 / 40 pF / N 750	WN 111 / 1 / 2	
C 1310		Ker - Kondensator	3,0 pF /P 100 3,9 pF...12 pF/N 033 15,0 pF...22 pF/N 033	WN 110/2/6 WN 110/2/6 WN 110/2/7	341/5 *) Abgleichwert
C 1311	1	Trimmer	10 / 40 pF / N 750	WN 111 / 1 / 2	
C 1312	1	Glimmer-Kondensator	100 pF / 5 % / 250 V ~	Bf. 53 - 1	Jahre
C 1313	1	Kf. - Kondensator	0,1 µF / 20 % / 100 V ~	WN 110 / 3 / 7	
C 1314	1	Glimmer - Kondens.	330 pF / 10 % / 250 V ~	Bf. 53 - 1	Jahre
C 1315	1	Trimmer	10 / 40 pF / N 750	WN 111 / 1 / 2	
C 1316		Ker - Kondensator	3,0 pF /P 100 3,9 pF ...12pF/N 033 15,0 pF...22pF/N 033	WN 110/2/6 WN 110/2/6 WN 110/2/7	341/5 *) Abgleichwert
C 1317	1	Trimmer	10 / 40 pF / N 750	WN 111 / 1 / 2	
C 1318	1	Glimmer-Kondensator	100 pF / 5 % / 250 V ~	Bf. 53 - 1	Jahre
C 1319	1	Kf. - Kondensator	0,1 µF / 20 % / 100 V ~	WN 110 / 3 / 7	
C 1320	1	Kf. - Kondensator	0,1 µF / 20 % / 100 V ~	WN 110 / 3 / 7	
C 1321					
C 1322					8 341/5
C 1323					

*) im Sonderausführung anderer Wert oder entfällt

Teil	Stck	Bezeichnung	Bestellangaben: Elektrische Werte	Bestellangaben: Benennung	Hersteller, Anmerkgn
G1 1301	1	Diode		1 N 914 / 1 N 4448	
G1 1302	1	Diode		1 N 914 / 1 N 4448	
G1 1303	1	Diode		1 N 914 / 1 N 4448	
G1 1304					
G1 1305					341/5
G1 1306					
T 1301	1	Transistor		BSX 27	
T 1302	1	Transistor		BSX 27	
T 1303	1	Transistor		BSX 27	
T 1304	1	Transistor		BSX 27	
G 1301	1	Quarz		wird nach Kundenwunsch festgelegt entsprechend Quarz-Sammel-Bl. 341-9705...9799 und 340 - 9701...9799	
G 1302	1	Quarz			
G 1303	1	Quarz			

Teil	Stck	Bezeichnung	Bestellangaben Elektrische Werte	Benennung	Hersteller, Anmerkgn
R 1401	1	Schichtwiderstand	4,7 kΩ / 1 % / 0,25 W / Kl 0,5	WN 18 / 1 / 3	
R 1402	1	Schichtwiderstand	4,1 kΩ / 1 % / 0,25 W / Kl 0,5	WN 18 / 1 / 3	
R 1403	1	Schichtwiderstand	330 Ω / 5 % / 0,25 W / Kl 2	WN 18 / 3 / 1	
R 1404	1	Schichtwiderstand	470 Ω / 5 % / 0,25 W / Kl 2	WN 18 / 3 / 1	
R 1405	1	Schichtwiderstand	33 kΩ / 5 % / 0,25 W / Kl 2	WN 18 / 3 / 1	
R 1406	1	Schichtwiderstand	220 Ω / 5 % / 0,25 W / Kl 2	WN 18 / 3 / 1	
R 1407	1	Schichtwiderstand	1 kΩ / 5 % / 0,25 W / Kl 2	WN 18 / 3 / 1	
R 1408	1	Schichtwiderstand	1 kΩ / 5 % / 0,25 W / Kl 2	WN 18 / 3 / 1	
R 1409	1	Schichtwiderstand	2,7 kΩ / 1 % / 0,25 W / Kl 0,5	WN 18 / 1 / 3	
R 1410	1	Schichtwiderstand	100 Ω / 5 % / 0,25 W / Kl 2	WN 18 / 3 / 1	
R 1411	1	Schichtwiderstand	8,2 kΩ / 5 % / 0,25 W / Kl 2	WN 18 / 3 / 1	
R 1412	1	Schichtwiderstand	680 Ω / 5 % / 0,25 W / Kl 2	WN 18 / 3 / 1	
R 1413					
R 1414					
R 1415	1	Schichtwiderstand	18 kΩ / 1 % / 0,25 W / Kl 0,5	WN 18 / 1 / 3	
R 1416	1	Schichtwiderstand	100 Ω / 5 % / 0,25 W / Kl 2	WN 18 / 3 / 1	
R 1417	1	Schichtwiderstand	680 Ω / 5 % / 0,25 W / Kl 2	WN 18 / 3 / 1	
R 1418	1	Schichtwiderstand	12 kΩ / 1 % / 0,25 W / Kl 0,5	WN 18 / 1 / 3	
R 1419	1	Schichtwiderstand	8,2 kΩ / 5 % / 0,25 W / Kl 2	WN 18 / 3 / 1	
R 1420	1	Schichtwiderstand	270 Ω / 5 % / 0,25 W / Kl 2	WN 18 / 3 / 1	
R 1421	1	Schichtwiderstand	820 Ω / 5 % / 0,25 W / Kl 2	WN 18 / 3 / 1	
R 1422	1	Schichtwiderstand	6,8 kΩ / 1 % / 0,25 W / Kl 0,5	WN 18 / 1 / 3	
R 1423	1	Schichtwiderstand	47 Ω / 5 % / 0,25 W / Kl 2	WN 18 / 3 / 1	
R 1424	1	Schichtwiderstand	1 kΩ / 5 % / 0,25 W / Kl 2	WN 18 / 3 / 1	
R 1425	1	Schichtwiderstand	10 kΩ / 5 % / 0,25 W / Kl 2	WN 18 / 3 / 1	
R 1426	1	Schichtwiderstand	47 Ω / 5 % / 0,25 W / Kl 2	WN 18 / 3 / 1	
R 1427	1	Schichtwiderstand	8,2 kΩ / 5 % / 0,25 W / Kl 2	WN 18 / 3 / 1	
R 1428	1	Schichtwiderstand	82 Ω / 5 % / 0,25 W / Kl 2	WN 18 / 3 / 1	
R 1429	1	Schichtwiderstand	10 kΩ / 5 % / 0,25 W / Kl 2	WN 18 / 3 / 1	
R 1430	1	Schichtwiderstand	6,8 kΩ / 5 % / 0,25 W / Kl 2	WN 18 / 3 / 1	
R 1431	1	Schichtwiderstand	22 kΩ / 5 % / 0,25 W / Kl 2	WN 18 / 3 / 1	
R 1432	1	Schichtwiderstand	220 kΩ / 5 % / 0,25 W / Kl 2	WN 18 / 3 / 1	
R 1433	1	Schichtwiderstand	1 kΩ / 5 % / 0,25 W / Kl 2	WN 18 / 3 / 1	
R 1434	1	Schichtwiderstand	10 kΩ / 5 % / 0,25 W / Kl 2	WN 18 / 3 / 1	
R 1435	1	Schichtwiderstand	6,8 kΩ / 5 % / 0,25 W / Kl 2	WN 18 / 3 / 1	
R 1436	1	Schichtwiderstand	22 kΩ / 5 % / 0,25 W / Kl 2	WN 18 / 3 / 1	
R 1437	1	Schichtwiderstand	82 Ω / 5 % / 0,25 W / Kl 2	WN 18 / 3 / 1	
R 1438	1	Schichtwiderstand	8,2 kΩ / 5 % / 0,25 W / Kl 2	WN 18 / 3 / 1	
R 1439	1	Schichtwiderstand	1 kΩ / 5 % / 0,25 W / Kl 2	WN 18 / 3 / 1	
R 1440	1	Schichtwiderstand	10 kΩ / 5 % / 0,25 W / Kl 2	WN 18 / 3 / 1	
R 1441	1	Schichtwiderstand	47 Ω / 5 % / 0,25 W / Kl 2	WN 18 / 3 / 1	
R 1442	1	Schichtwiderstand	10 kΩ / 5 % / 0,25 W / Kl 2	WN 18 / 3 / 1	
R 1443	1	Schichtwiderstand	1 kΩ / 5 % / 0,25 W / Kl 2	WN 18 / 3 / 1	
R 1444	1	Schichtwiderstand	10 kΩ / 5 % / 0,25 W / Kl 2	WN 18 / 3 / 1	
R 1445	1	Schichtwiderstand	47 Ω / 5 % / 0,25 W / Kl 2	WN 18 / 3 / 1	
R 1446	1	Schichtwiderstand	8,2 kΩ / 5 % / 0,25 W / Kl 2	WN 18 / 3 / 1	
R 1447	1	Schichtwiderstand	82 Ω / 5 % / 0,25 W / Kl 2	WN 18 / 3 / 1	
R 1448	1	Schichtwiderstand	10 kΩ / 5 % / 0,25 W / Kl 2	WN 18 / 3 / 1	
R 1449	1	Schichtwiderstand	6,8 kΩ / 5 % / 0,25 W / Kl 2	WN 18 / 3 / 1	
R 1450	1	Schichtwiderstand	22 kΩ / 5 % / 0,25 W / Kl 2	WN 18 / 3 / 1	
R 1451	1	Schichtwiderstand	1 kΩ / 5 % / 0,25 W / Kl 2	WN 18 / 3 / 1	
R 1452	1	Schichtwiderstand	10 kΩ / 5 % / 0,25 W / Kl 2	WN 18 / 3 / 1	
R 1453	1	Schichtwiderstand	6,8 kΩ / 5 % / 0,25 W / Kl 2	WN 18 / 3 / 1	
R 1454	1	Schichtwiderstand	22 kΩ / 5 % / 0,25 W / Kl 2	WN 18 / 3 / 1	
R 1455	1	Schichtwiderstand	82 Ω / 5 % / 0,25 W / Kl 2	WN 18 / 3 / 1	
R 1456	1	Schichtwiderstand	1 kΩ / 5 % / 0,25 W / Kl 2	WN 18 / 3 / 1	

Teil	Stck	Bezeichnung	Bestellangaben Elektrische Werte	Benennung	Hersteller, Anmerkgn
R 1457	1	Schichtwiderstand	10 kΩ / 5 % / 0,25 W / Kl 2	WN 18 / 3 / 1	
R 1458	1	Schichtwiderstand	8,2 kΩ / 5 % / 0,25 W / Kl 2	WN 18 / 3 / 1	
R 1459	1	Schichtwiderstand	47 Ω / 5 % / 0,25 W / Kl 2	WN 18 / 3 / 1	
R 1460					
R 1461	1	Schichtwiderstand	4,7 kΩ / 1 % / 0,25 W / Kl 0,5	WN 18 / 1 / 3	
R 1462	1	Schichtwiderstand	100 Ω / 5 % / 0,25 W / Kl 2	WN 18 / 3 / 1	
R 1463	1	Schichtwiderstand	820 Ω / 5 % / 0,25 W / Kl 2	WN 18 / 3 / 1	
R 1464	1	Schichtwiderstand	10 Ω / 5 % / 0,25 W / Kl 2	WN 18 / 3 / 1	
R 1465	1	Schichtwiderstand	10 Ω / 5 % / 0,25 W / Kl 2	WN 18 / 3 / 1	
R 1466	1	Schichtwiderstand	10 Ω / 5 % / 0,25 W / Kl 2	WN 18 / 3 / 1	
R 1467	1	Schichtwiderstand	10 Ω / 5 % / 0,25 W / Kl 2	WN 18 / 3 / 1	
R 1468	1	Schichtwiderstand	10 Ω / 5 % / 0,25 W / Kl 2	WN 18 / 3 / 1	
R 1469	1	Schichtwiderstand	10 Ω / 5 % / 0,25 W / Kl 2	WN 18 / 3 / 1	
R 1470	1	Schichtwiderstand	10 Ω / 5 % / 0,25 W / Kl 2	WN 18 / 3 / 1	
R 1471	1	Schichtwiderstand	470 Ω / 5 % / 0,25 W / Kl 2	WN 18 / 3 / 1	
R 1472	1	Schichtwiderstand	12 kΩ / 1 % / 0,25 W / Kl 0,5	WN 18 / 1 / 3	
R 1473	1	Schichtwiderstand	270 Ω / 5 % / 0,25 W / Kl 2	WN 18 / 3 / 1	
R 1474	1	Schichtwiderstand	10 kΩ / 1 % / 0,25 W / Kl 0,5	WN 18 / 1 / 3	
R 1475	1	Schichtwiderstand	470 Ω / 5 % / 0,25 W / Kl 2	WN 18 / 3 / 1	
R 1476	1	Schichtwiderstand	10 Ω / 5 % / 0,25 W / Kl 2	WN 18 / 3 / 1	
R 1477	1	Schichtwiderstand	180 Ω / 5 % / 0,25 W / Kl 2	WN 18 / 3 / 1	Serie M 1: 100 Ω
C 1401	1	Kf. - Kondensator	10 nF / 20 % / 630 V -	WN 110 / 3 / 7	
C 1402	1	Kf. - Kondensator	10 nF / 20 % / 630 V -	WN 110 / 3 / 7	
C 1403	1	Ker. - Kondensator	12 pF / 5 %	WN 110 / 2 / 3	
C 1404	1	Kf. - Kondensator	0,1 µF / 20 % / 100 V -	WN 110 / 3 / 7	
C 1405	1	Kf. - Kondensator	0,1 µF / 20 % / 100 V -	WN 110 / 3 / 7	
C 1406	1	Ker. - Kondensator	100 pF / 2 % /	WN 110 / 2 / 3	
C 1407	1	Elko	4,7 µF / 20 % / 20 V -	WN 110 / 5 / 61	
C 1408	1	Kf. - Kondensator	0,1 µF / 20 % / 100 V -	WN 110 / 3 / 7	
C 1409	1	Kf. - Kondensator	0,1 µF / 20 % / 100 V -	WN 110 / 3 / 7	
C 1410	1	Kf. - Kondensator	0,47 µF / 20 % / 100 V -	WN 110 / 3 / 7	Ero
C 1411	1	Elko	4,7 µF / 20 % / 20 V -	WN 110 / 5 / 61	
C 1412	1	Ker. - Kondensator	100 pF / 2 %	WN 110 / 2 / 3	
C 1413	1	Kf. - Kondensator	10 nF / 20 % / 630 V -	WN 110 / 3 / 7	
C 1414					
C 1415	1	Glimmer - Kondens.	470 pF / 10 % / 250 V -	Bf. 53 - 1	Jahre
C 1416	1	Ker. - Kondensator	100 pF / 2 %	WN 110 / 2 / 3	
C 1417	1	Kf. - Kondensator	0,1 µF / 20 % / 100 V -	WN 110 / 3 / 7	
C 1418	1	Elko	22 µF / 20 % / 16 V -	WN 110 / 5 / 61	
C 1419	1	Kf. - Kondensator	10 nF / 20 % / 630 V -	WN 110 / 3 / 7	
C 1420	1	Kf. - Kondensator	10 nF / 20 % / 630 V -	WN 110 / 3 / 7	
C 1421	1	Ker. - Kondensator	1 nF / + 100 - 20 %	WN 110 / 2 / 3	
C 1422	1	Elko	22 µF / 20 % / 16 V -	WN 110 / 5 / 61	
C 1423	1	Kf. - Kondensator	10 nF / 20 % / 630 V -	WN 110 / 3 / 7	
C 1424	1	Kf. - Kondensator	3,3 nF / 10 % / 100 V -	MKI 1822 - x33/0	Ero Serie [illegible]: 4; 1 µF
C 1425	1	Kf. - Kondensator	10 nF / 20 % / 630 V -	WN 110 / 3 / 7	
C 1426	1	Ker. - Kondensator	1 nF / + 100 - 20 %	WN 110 / 2 / 3	
C 1427	1	Glimmer - Kondens.	270 pF / 10 % / 250 V -	Bf. 53 - 1	Jahre
C 1428	1	Kf. - Kondensator	10 nF / 20 % / 630 V -	WN 110 / 3 / 7	
C 1429	1	Glimmer - Kondens.	470 pF / 10 % / 250 V -	Bf. 53 - 1	Jahre

Fortsetzung (continued)

Teil	Stck	Bezeichnung	Elektrische Werte	Bestellangaben Benennung	Hersteller, Anmerkgn
C 1430	1	Kf. - Kondensator	0,1 µF / 20 % / 100 V -	WN 110 / 3 / 7	
C 1431	1	Elko	22 µF / 20 % / 16 V -	WN 110 / 5 / 61	
C 1432	1	Glimmer - Kondens.	470 pF / 10 % / 250 V -	Bf. 53 - 1	Jahre
C 1433	1	Kf. - Kondensator	0,1 µF / 20 % / 100 V -	WN 110 / 3 / 7	
C 1434	1	Elko	22 µF / 20 % / 16 V -	WN 110 / 5 / 61	
C 1435	1	Ker. - Kondensator	39 pF / 2 %	WN 110 / 2 / 3	
C 1436	1	Kf. - Kondensator	10 nF / 20 % / 630 V -	WN 110 / 3 / 7	
C 1437	1	Kf. - Kondensator	10 nF / 20 % / 630 V -	WN 110 / 3 / 7	
C 1438	1	Ker. - Kondensator	1 nF / + 100 - 20 %	WN 110 / 2 / 3	
C 1439	1	Kf. - Kondensator	10 nF / 20 % / 630 V -	WN 110 / 3 / 7	
C 1440	1	Elko	22 µF / 20 % / 16 V -	WN 110 / 5 / 61	
C 1441					
C 1442	1	Kf. - Kondensator	10 nF / 20 % / 630 V -	WN 110 / 3 / 7	
C 1443	1	Ker. - Kondensator	1 nF / + 100 - 20 %	WN 110 / 2 / 3	
C 1444	1	Ker. - Kondensator	68 pF / 2 %	WN 110 / 2 / 3	
C 1445	1	Kf. - Kondensator	10 nF / 20 % / 630 V -	WN 110 / 3 / 7	
C 1446	1	Glimmer - Kondens.	470 pF / 10 % / 250 V -	Bf. 53 - 1	Jahre
C 1447	1	Kf. - Kondensator	0,1 µF / 20 % / 100 V -	WN 110 / 3 / 7	
C 1448	1	Kf. - Kondensator	0,1 µF / 20 % / 100 V -	WN 110 / 3 / 7	
C 1449	1	Ker. - Kondensator	1 nF / + 100 - 20 %	WN 110 / 2 / 3	
C 1450	1	Ker. - Kondensator	4,7 nF / + 50 - 20 % / 500 V -	WN 110 / 2 / 52	
C 1451	1	Ker. - Kondensator	4,7 nF / + 50 - 20 % / 500 V -	WN 110 / 2 / 52	
C 1452	1	Ker. - Kondensator	4,7 nF / + 50 - 20 % / 500 V -	WN 110 / 2 / 52	
C 1453	1	Ker. - Kondensator	4,7 nF / + 50 - 20 % / 500 V -	WN 110 / 2 / 52	
C 1454	1	Ker. - Kondensator	4,7 nF / + 50 - 20 % / 500 V -	WN 110 / 2 / 52	
C 1455	1	Ker. - Kondensator	4,7 nF / + 50 - 20 % / 500 V -	WN 110 / 2 / 52	
C 1456	1	Kf. - Kondensator	0,1 µF / 20 % / 100 V	WN 110 / 3 / 7	
C 1457	1	Elko	22 µF / 20 % / 16 V -	WN 110 / 5 / 61	
C 1458					
C 1459					
C 1460	1	Ker. - Kondensator	4,7 nF / + 50 - 20 % / 500 V -	WN 110 / 2 / 52	
C 1461	1	Ker. - Kondensator	1 nF / + 100 - 20 %	WN 110 / 2 / 3	
C 1462	1	Ker. - Kondensator	1 nF / + 100 - 20 %	WN 110 / 2 / 3	
C 1463	1	Ker. - Kondensator	4,7 nF / + 50 - 20 % / 500 V -	WN 110 / 2 / 52	
C 1464			Serie K...N: 4) 1 KF-Kond. 1 µF/20 %/63 V B 32110/Siemens		
G1 1401	1	Diode		OGA - 5	ITT
G1 1402	1	Diode		OGA - 5	ITT
G1 1403	1	Diode		OGA - 5	ITT
G1 1404	1	Diode		OGA - 5	ITT
G1 1405					
G1 1406	1	Diode		HP 5082 - 2811	Hewlett u. Packard
G1 1407	1	Diode		BA 103 grün	Siemens
G1 1408	1	Diode		1 N 914 / 1 N 4448	
G1 1409	1	Diode		BA 104 blau	Siemens
G1 1410	1	Diode		1 N 914 / 1 N 4448	
G1 1411	1	Diode		1 N 914 / 1 N 4448	
G1 1412	1	Diode		BA 103 grün	Siemens
G1 1413	1	Diode		BA 103 grün	Siemens
G1 1414	1	Diode		1 N 914 / 1 N 4448	
G1 1415	1	Diode		BA 104 blau	Siemens

Teil	Stck	Bezeichnung	Elektrische Werte	Bestellangaben Benennung	Hersteller, Anmerkgn
G1 1416	1	Diode		1 N 914 / 1 N 4448	
G1 1417	1	Diode		BA 103 grün	Siemens
T 1401	1	Transistor		BSX 29	
T 1402	1	Transistor		BFX 59	nur Siemens 5)
T 1403	1	Transistor		BCY 59 D	4)
T 1404	1	Transistor		BCY 59 D	4)
T 1405	1	Transistor		BSX 29	
T 1406	1	Transistor		2 N 2784	
T 1407	1	Transistor		BSX 27	
T 1408	1	Transistor		BSX 27	
T 1409	1	Transistor		BSX 27	
T 1410	1	Transistor		BSX 27	
T 1411	1	Transistor		BFX 48	4)
L 1401	1	Spule	2 µH / 2 A	B 82 501 - A - C 2	Siemens
L 1402	1	Spule	30 µH / 1,3 A	B 82 501 - A - C 6	Siemens
L 1403	1	Spule	2 µH / 2 A	B 82 501 - A - C 2	Siemens
L 1404	1	Spule		Bv. 341 - 7884.1	
L 1405	1	Spule		Bv. 341 - 7898.1	
L 1406	1	Spule		Bv. 341 - 7887.1	
L 1407	1	Spule		Bv. 341 - 7861.1	
L 1408	1				
L 1409	1				
L 1410	1				
L 1411	1				
L 1412	1	Spule	3,3 µH	Ne 1537 - 24	Delevan
	12	Ringperle	6x2x7, 550 N 33 µ 260 ± 20 %	B 64 290 - A 8074 - X 033	Siemens
1401	1	Abschirmträger		Bv. 341 - 7727	
1402					

Serie B...: 4) BSY 80 5) 2 N 2708

Rastoszillator SPM-6
Phase Lock Oscillator BN 341/4 (14)

Teil	Stck	Bezeichnung	Elektrische Werte	Bestellangaben Benennung	Hersteller, Anmerkgn
R 1501	1	Schichtwiderstand	680 Ω / 5 % / 0,25 W / K1 2	W N 18 / 3 / 1	
R 1502	1	Schichtwiderstand	1,5 kΩ / 5 % / 0,25 W / K1 2	W N 18 / 3 / 1	
R 1503	1	Schichtwiderstand	470 Ω / 5 % / 0,25 W / K1 2	W N 18 / 3 / 1	
R 1504	1	Schichtwiderstand	1 kΩ / 5 % / 0,25 W / K1 2	W N 18 / 3 / 1	
R 1505	1	Schichtwiderstand	180 Ω / 5 % / 0,25 W / K1 2	W N 18 / 3 / 1	
R 1506					
R 1507	1	Schichtwiderstand	150 kΩ / 5 % / 0,25 W / K1 2	W N 18 / 3 / 1	
R 1508	1	Schichtwiderstand	68 kΩ / 5 % / 0,25 W / K1 2	W N 18 / 3 / 1	
R 1509	1	Schichtwiderstand	1 kΩ / 5 % / 0,25 W / K1 2	W N 18 / 3 / 1	
R 1510	1	Schichtwiderstand	470 Ω / 5 % / 0,25 W / K1 2	W N 18 / 3 / 1	
R 1511	1	Schichtwiderstand	180 Ω / 5 % / 0,25 W / K1 2	W N 18 / 3 / 1	
R 1512	1	Schichtwiderstand	12 kΩ / 5 % / 0,25 W / K1 2	W N 18 / 3 / 1	
R 1513	1	Schichtwiderstand	150 kΩ / 5 % / 0,25 W / K1 2	W N 18 / 3 / 1	
R 1514	1	Schichtwiderstand	68 Ω / 5 % / 0,25 W / K1 2	W N 18 / 3 / 1	
R 1515	1	Schichtwiderstand	27 Ω / 5 % / 0,25 W / K1 2	W N 18 / 3 / 1	
R 1516	1	Schichtwiderstand	150 Ω / 5 % / 0,25 W / K1 2	W N 18 / 3 / 1	
R 1517	1	Schichtwiderstand	100 Ω / 5 % / 0,25 W / K1 2	W N 18 / 3 / 1	
R 1518	1	Schichtwiderstand	330 Ω / 5 % / 0,25 W / K1 2	W N 18 / 3 / 1	
R 1519	1	Schichtwiderstand	68 Ω / 5 % / 0,25 W / K1 2	W N 18 / 3 / 1	
R 1520	1	Schichtwiderstand	68 Ω / 5 % / 0,25 W / K1 2	W N 18 / 3 / 1	
R 1521	1	Schichtwiderstand	2,7 kΩ / 5 % / 0,25 W / K1 2	W N 18 / 3 / 1	
R 1522	1	Schichtwiderstand	68 Ω / 5 % / 0,25 W / K1 2	W N 18 / 3 / 1	
R 1523	1	Schichtwiderstand	68 Ω / 5 % / 0,25 W / K1 2	W N 18 / 3 / 1	
R 1524	1	Schichtwiderstand	150 Ω / 5 % / 0,25 W / K1 2	W N 18 / 3 / 1	
R 1525	1	Schichtwiderstand	68 kΩ / 5 % / 0,25 W / K1 2	W N 18 / 3 / 1	
R 1526	1	Schichtwiderstand	47 kΩ / 5 % / 0,25 W / K1 2	W N 18 / 3 / 1	
R 1527	1	Schichtwiderstand	100 Ω / 5 % / 0,25 W / K1 2	W N 18 / 3 / 1	
R 1528	1	Schichtwiderstand	10 kΩ / 5 % / 0,25 W / K1 2	W N 18 / 3 / 1	
R 1529	1	Schichtwiderstand	3,3 kΩ / 5 % / 0,25 W / K1 2	W N 18 / 3 / 1	
R 1530	1	Schichtwiderstand	4,7 kΩ / 5 % / 0,25 W / K1 2	W N 18 / 3 / 1	
R 1531	1	Schichtwiderstand	2,7 kΩ / 5 % / 0,25 W / K1 2	W N 18 / 3 / 1	
R 1532	1	Schichtwiderstand	5,6 kΩ / 5 % / 0,25 W / K1 2	W N 18 / 3 / 1	
R 1533	1	Schichtwiderstand	1 kΩ / 5 % / 0,25 W / K1 2	W N 18 / 3 / 1	
R 1534	1	Schichtwiderstand	3,3 kΩ / 5 % / 0,25 W / K1 2	W N 18 / 3 / 1	
R 1535	1	Schichtwiderstand	100 Ω / 5 % / 0,25 W / K1 2	W N 18 / 3 / 1	
R 1536	1	Schichtwiderstand	10 kΩ / 5 % / 0,25 W / K1 2	W N 18 / 3 / 1	
R 1537	1	Schichtwiderstand	220 Ω / 5 % / 0,25 W / K1 2	W N 18 / 3 / 1	
R 1538	1	Schichtwiderstand	47 kΩ / 5 % / 0,25 W / K1 2	W N 18 / 3 / 1	
R 1539	1	Schichtwiderstand	22 kΩ / 5 % / 0,25 W / K1 2	W N 18 / 3 / 1	
R 1540	1	Schichtwiderstand	10 Ω / 5 % / 0,25 W / K1 2	W N 18 / 3 / 1	
C 1501	1	Kf. - Kondensator	10 nF / 20 % / 630 V ~	W N 110 / 3 / 7	
C 1502					
C 1503	1	Glimmer - Kondens.	3,9 nF / 10 % / 300 V ~	Bf. 49,25 - 4	Jahre
C 1504	1	Glimmer - Kondens.	3,9 nF / 10 % / 300 V ~	Bf. 49,25 - 4	Jahre
C 1505					
C 1506					
C 1507	1	Kf. - Kondensator	10 nF / 20 % / 630 V ~	W N 110 / 3 / 7	
C 1508	1	Ker - Kondensator	47 pF / 2 %	W N 110 / 2 / 3	
C 1509	1	Ker - Kondensator	33 pF / 2 %	W N 110 / 2 / 3	
C 1510	1	Kf. - Kondensator	10 nF / 20 % / 630 V ~	W N 110 / 3 / 7	
C 1511	1	Kf. - Kondensator	10 nF / 20 % / 630 V ~	W N 110 / 3 / 7	
C 1512	1	Ker - Kondensator	1 nF /-20 +100 % /	W N 110 / 2 / 3	
C 1513	1	Kf. - Kondensator	10 nF / 20 % / 630 V ~	W N 110 / 3 / 7	
C 1514	1	Glimmer - Kondens.	130 pF / ± 2pF / 250 V ~	Bf. 52 - 1	Jahre
C 151	1	Ker - Kondensator	27 pF / 1 % / 400 V ~	N 150 ROQU 3 x 12	Valvo
C 1516	1	Ker - Kondensator	1 nF /-20 +100 %	W N 110 / 2 / 3	

Teil	Stck	Bezeichnung	Elektrische Werte	Bestellangaben Benennung	Hersteller, Anmerkgn
C 1517	1	Glimmer - Kondens.	277 nF / 2 % / 300 V ~	Bf. 49,14 - 4	Jahre
C 1518	1	Kf. - Kondensator	0,1 µF / 20 % / 100 V ~	W N 110 / 3 / 7	
C 1519	1	Kf. - Kondensator	10 nF / 20 % / 630 V ~	W N 110 / 3 / 7	
C 1520	1	Ker - Kondensator	4,7 nF / +50 -20 % / 500 V ~	W N 110 / 2 / 52	
C 1521	1	Kf. - Kondensator	10 nF / 20 % / 630 V ~	W N 110 / 3 / 7	
C 1522	1	Kf. - Kondensator	10 nF / 20 % / 630 V ~	W N 110 / 3 /7	
C 1523	1	Kf. - Kondensator	10 nF / 20 % / 630 V ~	W N 110 / 3 /7	
C 1524	1	Kf. - Kondensator	10 nF / 20 % / 630 V ~	W N 110 / 3 /7	
C 1525	1	Ker - Kondensator	100 pF / 2 %	W N 110 / 2 / 3	
C 1526	1	Kf. - Kondensator	0,1 µF / 20 % / 100 V ~	W N 110 / 3 / 7	
C 1527	1	Kf. - Kondensator	10 nF / 20 % / 630 V ~	W N 110 / 3 / 7	
C 1528	1	Kf. - Kondensator	0,1 µF / 20 % / 100 V ~	W N 110 / 3 / 7	
C 1529	1	Ker. - Kondensator	10 nF / + 80 - 20 %	W N 110 / 2 / 3	
L 1502	1	Spule		Bv. 341 - 7889	
L 1504	1	Spule	27 µH	2 W N 117 / 1 / 1	
L 1505	1	Spule		Bv. 341 - 7843	
L 1506	1	Spule		Bv. 341 - 7847	
Ü 1501	1	Übertrager		Bv. 341 - 7745	
Ü 1502	1	Übertrager		Bv. 341 - 7748	
Ü 1503	1	Übertrager		Bv. 341 - 7750	
T 1501	1	Transistor		2 N 918 / BFX 73	
T 1502	1	Transistor		OW 7154	
T 1503	1	Transistor		BSX 27	
T 1504	1	Transistor		OW 7154	
T 1505	1	Transistor		BSX 27	
T 1506	1	Transistor		BSX 27	
T 1507	1	Transistor		BSX 27	
T 1508	1	Transistor		2 N 708 / BSX 88	
T 1509	1	Transistor		2 N 708 / BSX 88	
GI 1501	1	Diode		hpa 5082 - 2800	Hewlett - Packard
GI 1502	1	Diode		hpa 5082 - 2800	Hewlett - Packard
GI 1503	1	Diode		hpa 5082 - 2800	Hewlett - Packard
GI 1504	1	Diode		hpa 5082 - 2800	Hewlett - Packard
GI 1505	1	Diode		OGA - 5	ITT
GI 1506	1	Diode		OGA - 5	ITT
GI 1507	1	Diode		OGA - 5	ITT
GI 1508	1	Diode		OGA - 5	ITT

Teil	Stck	Bezeichnung	Elektrische Werte	Bestellangaben Benennung	Hersteller, Anmerkgn
R 1601	1	Schichtwiderstand	100 Ω / 5 % / 0,25 W / Kl 2	WK 18 / 3 / 1	
R 1602	1	Schichtwiderstand	8,2 kΩ / 5 % / 0,25 W / Kl 2	WK 18 / 3 / 1	
R 1603	1	Schichtwiderstand	680 Ω / 5 % / 0,25 W / Kl 2	WK 18 / 3 / 1	
R 1604	1	Schichtwiderstand	3,9 kΩ / 5 % / 0,25 W / Kl 2	WK 18 / 3 / 1	
R 1605					
R 1606	1	Schichtwiderstand	18 kΩ / 1 % / 0,25 W / Kl 0,5	WK 18 / 1 / 3	
R 1607	1	Schichtwiderstand	100 Ω / 5 % / 0,25 W / Kl 2	WK 18 / 3 / 1	
R 1608	1	Schichtwiderstand	680 Ω / 5 % / 0,25 W / Kl 2	WK 18 / 3 / 1	
R 1609	1	Schichtwiderstand	16,5 kΩ / 1 % / 0,25 W / Kl 0,5	WK 18 / 1 / 3	
R 1610	1	Schichtwiderstand	8,2 kΩ / 5 % / 0,25 W / Kl 2	WK 18 / 3 / 1	
R 1611	1	Schichtwiderstand	120 Ω / 5 % / 0,25 W / Kl 2	WK 18 / 3 / 1	
R 1612	1	Schichtwiderstand	10 kΩ / 5 % / 0,25 W / Kl 2	WK 18 / 3 / 1	
R 1613	1	Schichtwiderstand	6,8 kΩ / 5 % / 0,25 W / Kl 2	WK 18 / 3 / 1	
R 1614	1	Schichtwiderstand	22 kΩ / 5 % / 0,25 W / Kl 2	WK 18 / 3 / 1	
R 1615	1	Schichtwiderstand	68 Ω / 5 % / 0,25 W / Kl 2	WK 18 / 3 / 1	
R 1616	1	Schichtwiderstand	8,2 kΩ / 5 % / 0,25 W / Kl 2	WK 18 / 3 / 1	
R 1617	1	Schichtwiderstand	270 Ω / 5 % / 0,25 W / Kl 2	WK 18 / 3 / 1	
R 1618	1	Schichtwiderstand	47 Ω / 5 % / 0,25 W / Kl 2	WK 18 / 3 / 1	
R 1619	1	Schichtwiderstand	10 kΩ / 5 % / 0,25 W / Kl 2	WK 18 / 3 / 1	
R 1620	1	Schichtwiderstand	6,8 kΩ / 5 % / 0,25 W / Kl 2	WK 18 / 3 / 1	
R 1621	1	Schichtwiderstand	22 kΩ / 5 % / 0,25 W / Kl 2	WK 18 / 3 / 1	
R 1622	1	Schichtwiderstand	68 Ω / 5 % / 0,25 W / Kl 2	WK 18 / 3 / 1	
R 1623	1	Schichtwiderstand	8,2 kΩ / 5 % / 0,25 W / Kl 2	WK 18 / 3 / 1	
R 1624	1	Schichtwiderstand	270 Ω / 5 % / 0,25 W / Kl 2	WK 18 / 3 / 1	
R 1625	1	Schichtwiderstand	47 Ω / 5 % / 0,25 W / Kl 2	WK 18 / 3 / 1	
R 1626	1	Schichtwiderstand	10 kΩ / 5 % / 0,25 W / Kl 2	WK 18 / 3 / 1	
R 1627	1	Schichtwiderstand	6,8 kΩ / 5 % / 0,25 W / Kl 2	WK 18 / 3 / 1	
R 1628	1	Schichtwiderstand	22 kΩ / 5 % / 0,25 W / Kl 2	WK 18 / 3 / 1	
R 1629	1	Schichtwiderstand	68 Ω / 5 % / 0,25 W / Kl 2	WK 18 / 3 / 1	
R 1630	1	Schichtwiderstand	8,2 kΩ / 5 % / 0,25 W / Kl 2	WK 18 / 3 / 1	
R 1631	1	Schichtwiderstand	270 Ω / 5 % / 0,25 W / Kl 2	WK 18 / 3 / 1	
R 1632	1	Schichtwiderstand	47 Ω / 5 % / 0,25 W / Kl 2	WK 18 / 3 / 1	
R 1633	1	Schichtwiderstand	10 kΩ / 5 % / 0,25 W / Kl 2	WK 18 / 3 / 1	
R 1634	1	Schichtwiderstand	6,8 kΩ / 5 % / 0,25 W / Kl 2	WK 18 / 3 / 1	
R 1635	1	Schichtwiderstand	22 kΩ / 5 % / 0,25 W / Kl 2	WK 18 / 3 / 1	
R 1636	1	Schichtwiderstand	68 Ω / 5 % / 0,25 W / Kl 2	WK 18 / 3 / 1	
R 1637	1	Schichtwiderstand	8,2 kΩ / 5 % / 0,25 W / Kl 2	WK 18 / 3 / 1	
R 1638	1	Schichtwiderstand	270 Ω / 5 % / 0,25 W / Kl 2	WK 18 / 3 / 1	
R 1639	1	Schichtwiderstand	47 Ω / 5 % / 0,25 W / Kl 2	WK 18 / 3 / 1	
R 1640	1	Schichtwiderstand	4,7 kΩ / 5 % / 0,25 W / Kl 2	WK 18 / 3 / 1	
R 1641	1	Schichtwiderstand	15 kΩ / 5 % / 0,25 W / Kl 2	WK 18 / 3 / 1	
R 1642	1	Schichtwiderstand	270 Ω / 5 % / 0,25 W / Kl 2	WK 18 / 3 / 1	
R 1643	1	Schichtwiderstand	180 Ω / 5 % / 0,25 W / Kl 2	WK 18 / 3 / 1	
R 1644	1	Schichtwiderstand	10 Ω / 5 % / 0,25 W / Kl 2	WK 18 / 3 / 1	
R 1645	1	Schichtwiderstand	10 Ω / 5 % / 0,25 W / Kl 2	WK 18 / 3 / 1	
R 1646	1	Schichtwiderstand	10 Ω / 5 % / 0,25 W / Kl 2	WK 18 / 3 / 1	
R 1647	1	Schichtwiderstand	10 Ω / 5 % / 0,25 W / Kl 2	WK 18 / 3 / 1	
R 1648	1	Schichtwiderstand	10 Ω / 5 % / 0,25 W / Kl 2	WK 18 / 3 / 1	
R 1649	1	Schichtwiderstand	10 Ω / 5 % / 0,25 W / Kl 2	WK 18 / 3 / 1	
R 1650					
R 1651	1	Schichtwiderstand	3,3 kΩ / 5 % / 0,25 W / Kl 2	WK 18 / 3 / 1	
R 1652	1	Schichtwiderstand	680 Ω / 5 % / 0,25 W / Kl 2	WK 18 / 3 / 1	
R 1653	1	Schichtwiderstand	100 Ω / 5 % / 0,25 W / Kl 2	WK 18 / 3 / 1	

Teil	Stck	Bezeichnung	Elektrische Werte	Bestellangaben Benennung	Hersteller, Anmerkgn
R 1654	1	Schichtwiderstand	100 Ω / 5 % / 0,25 W / Kl 2	WK 18 / 3 / 1	
R 1655	1	Schichtwiderstand	100 Ω / 5 % / 0,25 W / Kl 2	WK 18 / 3 / 1	
C 1601	1	Elko	4,7 µF / 20 % / 35 V -	WK 110 / 5 / 61	
C 1602	1	Kf.-Kondensator	0,1 µF / 20 % / 100 V -	WK 110 / 3 / 7	
C 1603	1	Kf.-Kondensator	0,1 µF / 20 % / 100 V -	WK 110 / 3 / 7	
C 1604	1	Elko	4,7 µF / 20 % / 35 V -	WK 110 / 5 / 61	
C 1605	1	Kf.-Kondensator	0,22 µF / 20 % / 100 V -	WK 110 / 3 / 7	
C 1606	1	Kf.-Kondensator	10 nF / 20 % / 630 V -	WK 110 / 3 / 7	
C 1607	1	Ker.-Kondensator	1 nF / + 100 - 20 %	WK 110 / 2 / 3	
C 1608	1	Kf.-Kondensator	10 nF / 20 % / 630 V -	WK 110 / 3 / 7	
C 1609					
C 1610	1	Glimmer-Kondens.	1 nF / 10 % / 250 V -	Bf. 53 - 1	Jahre
C 1611	1	Elko	22 µF / 20 % / 16 V -	WK 110 / 5 / 61	
C 1612	1	Kf.-Kondensator	10 nF / 20 % / 630 V -	WK 110 / 3 / 7	
C 1613	1	Ker.-Kondensator	1 nF / + 100 - 20 %	WK 110 / 2 / 3	
C 1614	1	Kf.-Kondensator	10 nF / 20 % / 630 V -	WK 110 / 3 / 7	
C 1615					
C 1616	1	Glimmer-Kondens.	1 nF / 10 % / 250 V -	Bf. 53 - 1	Jahre
C 1617	1	Elko	22 µF / 20 % / 16 V -	WK 110 / 5 / 61	
C 1618	1	Kf.-Kondensator	10 nF / 20 % / 630 V -	WK 110 / 3 / 7	
C 1619	1	Ker.-Kondensator	1 nF / + 100 - 20 %	WK 110 / 2 / 3	
C 1620	1	Kf.-Kondensator	10 nF / 20 % / 630 V -	WK 110 / 3 / 7	
C 1621					
C 1622	1	Glimmer-Kondens.	1 nF / 10 % / 250 V -	Bf. 53 - 1	Jahre
C 1623	1	Elko	22 µF / 20 % / 16 V -	WK 110 / 5 / 61	
C 1624	1	Kf.-Kondensator	10 nF / 20 % / 630 V -	WK 110 / 3 / 7	
C 1625	1	Ker.-Kondensator	1 nF / + 100 - 20 %	WK 110 / 2 / 3	
C 1626	1	Kf.-Kondensator	10 nF / 20 % / 630 V -	WK 110 / 3 / 7	
C 1627					
C 1628	1	Glimmer-Kondens.	1 nF / 10 % / 250 V -	Bf. 53 - 1	Jahre
C 1629	1	Elko	22 µF / 20 % / 16 V -	WK 110 / 5 / 61	
C 1630	1	Kf.-Kondensator	10 nF / 20 % / 630 V -	WK 110 / 3 / 7	
C 1631	1	Kf.-Kondensator	10 nF / 20 % / 630 V -	WK 110 / 3 / 7	
C 1632	1	Kf.-Kondensator	10 nF / 20 % / 630 V -	WK 110 / 3 / 7	
C 1633	1	Ker.-Kondensator	68 pF / 2 %	WK 110 / 2 / 3	
C 1634	1	Kf.-Kondensator	10 nF / 20 % / 630 V -	WK 110 / 3 / 7	
C 1635	1	Kf.-Kondensator	10 nF / 20 % / 630 V -	WK 110 / 3 / 7	
C 1636	1	Kf.-Kondensator	10 nF / 20 % / 630 V -	WK 110 / 3 / 7	
C 1637	1	Kf.-Kondensator	10 nF / 20 % / 630 V -	WK 110 / 3 / 7	
C 1638					
C 1639					
C 1640					
C 1641	1	Ker.-Kondensator	4,7 nF / -20 +50 % / 500 V -	WK 110 / 2 / 52	
C 1642	1	Ker.-Kondensator	4,7 nF / -20 +50 % / 500 V -	WK 110 / 2 / 52	
C 1643	1	Ker.-Kondensator	4,7 nF / -20 +50 % / 500 V -	WK 110 / 2 / 52	
C 1644	1	Ker.-Kondensator	4,7 nF / -20 +50 % / 500 V -	WK 110 / 2 / 52	
C 1645	1	Ker.-Kondensator	4,7 nF / -20 +50 % / 500 V -	WK 110 / 2 / 52	
C 1646	1	Ker.-Kondensator	4,7 nF / -20 +50 % / 500 V -	WK 110 / 2 / 52	
C 1647	1	Kf.-Kondensator	10 nF / 20 % / 630 V -	WK 110 / 3 / 7	
C 1648	1	Kf.-Kondensator	10 nF / 20 % / 630 V -	WK 110 / 3 / 7	

Teil	Stck	Bezeichnung	Elektrische Werte	Bestellangaben Benennung	Hersteller, Anmerkgn
G1 1601	1				
G1 1602	1	Diode		1 N 914 / 1 N 4448	
G1 1603	1	Diode		BB 104 blau	Siemens
G1 1604	1	Diode		1 N 914 / 1 N 4448	
G1 1605	1	Diode		BB 104 blau	Siemens
G1 1606	1	Diode		1 N 914 / 1 N 4448	
G1 1607	1	Diode		BB 104 blau	Siemens
G1 1608	1	Diode		1 N 914 / 1 N 4448	
G1 1609	1	Diode		BB 104 blau	Siemens
G1 1610	1	Diode		HP 5082 - 2811	Hewlett u.Packard
T 1601	1	Transistor		BCY 59 D	Serie B...M: BST 80
T 1602	1	Transistor		BCY 59 D	
T 1603	1	Transistor		BSX 27	
T 1604	1	Transistor		BSX 27	
T 1605	1	Transistor		BSX 27	
T 1606	1	Transistor		BSX 27	
T 1607	1	Transistor		BSX 27	
T 1608	1	Transistor		BSX 27	
L 1601	1	Spule		Bv. 341 - 7897.1	
L 1602	1	Spule		Bv. 341 - 7898.1	

Teil	Stck	Bezeichnung	Elektrische Werte	Bestellangaben Benennung	Hersteller, Anmerkgn
L 1603	1	Spule		Bv. 341 - 7899.1	
L 1604	1	Spule		Bv. 341 - 7890.1	
L 1605	1	Spule	2 µH / 2 A	B 82 501 - J - C 2	Siemens

Trägeroszillator SPM-6
Carrier Oscillator BN 341/4 (16)

Teil	Stck	Bezeichnung	Elektrische Werte	Bestellangaben Benennung	Hersteller, Anmerkgn
R 1701	1	Schichtwiderstand	21,4 kΩ / 1 % / K1 0,5 / 0309	WN 18 / 1 / 3	
R 1702	1	"	4,16 kΩ / 1 % / K1 0,5 / 0309	WN 18 / 1 / 3	
R 1703	1	"	7,4 kΩ / 1 % / K1 0,5 / 0309	WN 18 / 1 / 3	
R 1704	1	"	3,52 kΩ / 1 % / K1 0,5 / 0309	WN 18 / 1 / 3	
R 1705	1	"	2,6 kΩ / 1 % / K1 0,5 / 0309	WN 18 / 1 / 3	
R 1706	1	"	2,67 kΩ / 1 % / K1 0,5 / 0309	WN 18 / 1 / 3	
R 1707	1	"	6,6 kΩ / 1 % / K1 0,5 / 0309	WN 18 / 1 / 3	
R 1708	1	"	18 kΩ / 1 % / K1 0,5 / 0309	WN 18 / 1 / 3	
R 1709	1	"	3,73 kΩ / 1 % / K1 0,5 / 0309	WN 18 / 1 / 3	
R 1710	1	"	7,2 kΩ / 1 % / K1 0,5 / 0309	WN 18 / 1 / 3	
R 1711	1	"	3,73 kΩ / 1 % / K1 0,5 / 0309	WN 18 / 1 / 3	
R 1712	1	"	3 kΩ / 1 % / K1 0,5 / 0309	WN 18 / 1 / 3	
R 1713	1	"	3,09 kΩ / 1 % / K1 0,5 / 0309	WN 18 / 1 / 3	
R 1714	1	"	1,2 kΩ / 1 % / K1 0,5 / 0309	WN 18 / 1 / 3	
R 1715	1	"	2,46 kΩ / 1 % / K1 0,5 / 0309	WN 18 / 1 / 3	
R 1716	1	"	6 kΩ / 1 % / K1 0,5 / 0309	WN 18 / 1 / 3	
R 1717	1	"	15,6 kΩ / 1 % / K1 0,5 / 0309	WN 18 / 1 / 3	
R 1718	1	"	3,52 kΩ / 1 % / K1 0,5 / 0309	WN 18 / 1 / 3	
R 1719	1	"	6,6 kΩ / 1 % / K1 0,5 / 0309	WN 18 / 1 / 3	
R 1720	1	"	4,16 kΩ / 1 % / K1 0,5 / 0309	WN 18 / 1 / 3	
R 1721	1	"	2,6 kΩ / 1 % / K1 0,5 / 0309	WN 18 / 1 / 3	
R 1722	1	"	3,73 kΩ / 1 % / K1 0,5 / 0309	WN 18 / 1 / 3	
R 1723	1	"	1 kΩ / 1 % / K1 0,5 / 0309	WN 18 / 1 / 3	
R 1724	1	"	3,09 kΩ / 1 % / K1 0,5 / 0309	WN 18 / 1 / 3	
R 1725	1	"	8,4 kΩ / 1 % / K1 0,5 / 0309	WN 18 / 1 / 3	

Teil	Stck	Bezeichnung	Elektrische Werte	Bestellangaben Benennung	Hersteller, Anmerkgn
R 1726	1	Schichtwiderstand	13 kΩ / 1 % / K1 0,5 / 0309	WN 18 / 1 / 3	
R 1727	1	"	2,67 kΩ / 1 % / K1 0,5 / 0309	WN 18 / 1 / 3	
R 1728	1	"	6,6 kΩ / 1 % / K1 0,5 / 0309	WN 18 / 1 / 3	
R 1729	1	"	3,52 kΩ / 1 % / K1 0,5 / 0309	WN 18 / 1 / 3	
R 1730	1	"	3 kΩ / 1 % / K1 0,5 / 0309	WN 18 / 1 / 3	
R 1731	1	"	3,73 kΩ / 1 % / K1 0,5 / 0309	WN 18 / 1 / 3	
R 1732	1	"	1,2 kΩ / 1 % / K1 0,5 / 0309	WN 18 / 1 / 3	
R 1733	1	"	3,3 kΩ / 1 % / K1 0,5 / 0309	WN 18 / 1 / 3	
R 1734	1	"	11,4 kΩ / 1 % / K1 0,5 / 0309	WN 18 / 1 / 3	
P 1701					
	15	Schichtdrahtwiderst.	100 kΩ / lin / 1 W	1 WN 17 / 2 / 6	
P 1715					
S 1701	1	Schalter		Bv. 341 - 7897	+) 341/5
Bu 1701	1	Buchse	24 - polig	WN 119 / 5 / 5	

+) in Sonderausführung anderer Wert oder entfällt

Frequenzbereichsschalter SPM-6
Frequency Range Switch BN 341/4, (17)

Teil	Stck	Bezeichnung	Bestellangaben Elektrische Werte	Benennung	Hersteller, Anmerkgn
R 1801	1	Schichtwiderstand	4,7 kΩ / 5 % / 0,25 W / KI 2	W N 18 / 3 / 1	
R 1802	1	Schichtwiderstand	3,8 kΩ / 5 % / 0,25 W / KI 2	W N 18 / 3 / 1	
R 1803	1	Schichtwiderstand	390 Ω / 5 % / 0,25 W / KI 2	W N 19 / 3 / 1	
R 1804	1	Schichtwiderstand	330 Ω / 5 % / 0,25 W / KI 2	W N 18 / 3 / 1	
R 1805	1	Schichtwiderstand	33 kΩ / 5 % / 0,25 W / KI 2	W N 18 / 3 / 1	
R 1806	1	Schichtwiderstand	220 Ω / 5 % / 0,25 W / KI 2	W N 18 / 3 / 1	
R 1807	1	Schichtwiderstand	1 kΩ / 5 % / 0,25 W / KI 2	W N 18 / 3 / 1	
R 1808	1	Schichtwiderstand	1 kΩ / 5 % / 0,25 W / KI 2	W N 19 / 3 / 1	
R 1809	1	Schichtwiderstand	100 Ω / 5 % / 0,25 W / KI 2	W N 18 / 3 / 1	
R 1810	1	Schichtwiderstand	8,2 kΩ / 5 % / 0,25 W / KI 2	W N 18 / 3 / 1	
R 1811	1	Schichtwiderstand	680 Ω / 5 % / 0,25 W / KI 2	W N 18 / 3 / 1	
R 1812	1	Schichtwiderstand	680 Ω / 5 % / 0,25 W / KI 2	W N 18 / 3 / 1	
R 1813	1	Schichtwiderstand	18 kΩ / 5 % / 0,25 W / KI 2	W N 18 / 3 / 1	
R 1814	1	Schichtwiderstand	100 Ω / 5 % / 0,25 W / KI 2	W N 18 / 3 / 1	
R 1815	1	Schichtwiderstand	2,2 kΩ / 5 % / 0,25 W / KI 2	W N 18 / 3 / 1	
R 1816	1	Schichtwiderstand	680 Ω / 5 % / 0,25 W / KI 2	W N 18 / 3 / 1	
R 1817	1	Schichtwiderstand	8,2 kΩ / 5 % / 0,25 W / KI 2	W N 18 / 3 / 1	Serie ...K: 10 kΩ
R 1818	1	Schichtwiderstand	8,2 kΩ / 5 % / 0,25 W / KI 2	W N 18 / 3 / 1	
R 1819	1	Schichtwiderstand	4,7 kΩ / 5 % / 0,25 W / KI 2	W N 18 / 3 / 1	
R 1820	1	Schichtwiderstand	47 Ω / 5 % / 0,25 W / KI 2	W N 19 / 3 / 1	
R 1821	1	Schichtwiderstand	6,8 kΩ / 5 % / 0,25 W / KI 2	W N 18 / 3 / 1	
R 1822	1	Schichtwiderstand	560 Ω / 5 % / 0,25 W / KI 2	W N 19 / 3 / 1	
R 1823	1	Schichtwiderstand	18 kΩ / 5 % / 0,25 W / KI 2	W N 18 / 3 / 1	
R 1824	1	Schichtwiderstand	33 Ω / 5 % / 0,25 W / KI 2	W N 18 / 3 / 1	
R 1825	1	Schichtwiderstand	8,2 kΩ / 5 % / 0,25 W / KI 2	W N 18 / 3 / 1	
R 1826	1	Schichtwiderstand	39 kΩ / 5 % / 0,25 W / KI 2	W N 18 / 3 / 1	
R 1827	1	Schichtwiderstand	100 Ω / 5 % / 0,25 W / KI 2	W N 18 / 3 / 1	
R 1828	1	Schichtwiderstand	100 Ω / 5 % / 0,25 W / KI 2	W N 18 / 3 / 1	
R 1829	1	Schichtwiderstand	1 kΩ / 5 % / 0,25 W / KI 2	W N 18 / 3 / 1	"
R 1830	1	Schichtwiderstand	390 Ω / 5 % / 0,25 W / KI 2	W N 18 / 3 / 1	
R 1831	1	Schichtwiderstand	1 kΩ / 5 % / 0,25 W / KI 2	W N 18 / 3 / 1	
R 1832	1	Schichtwiderstand	5,6 kΩ / 5 % / 0,25 W / KI 2	W N 18 / 3 / 1	
R 1833	1	Schichtwiderstand	390 Ω / 5 % / 0,25 W / KI 2	W N 18 / 3 / 1	
R 1834	1	Schichtwiderstand	56 Ω / 5 % / 0,25 W / KI 2	W N 18 / 3 / 1	
R 1835	1	Schichtwiderstand	680 Ω / 5 % / 0,25 W / KI 2	W N 18 / 3 / 1	
R 1836	1	Schichtwiderstand	100 Ω / 5 % / 0,25 W / KI 2	W N 18 / 3 / 1	
R 1837	1	Schichtwiderstand	100 Ω / 5 % / 0,25 W / KI 2	W N 18 / 3 / 1	Serie ...K: entfällt
C 1801	1	Schichtwiderstand	12 pF / 5 %	W N 110 / 2 / 3	
C 1802	1	Kf. - Kondensator	10 nF / 20 % / 630 V ~	W N 110 / 3 / 7	
C 1803	1	Kf. - Kondensator	10 nF / 20 % / 400 V ~	W N 110 / 3 / 7	
C 1804	1	Kf. - Kondensator	0,1 µF / 20 % / 100 V ~	W N 110 / 3 / 7	
C 1805	1	Kf. - Kondensator	0,1 µF / 20 % / 100 V ~	W N 110 / 3 / 7	
C 1806	1	Ker - Kondensator	100 pF / 2 % / 400 V ~	N 150/18 ROOU 3 x 18	nur Valvo
C 1807	1	Ker - Kondensator	100 pF / 2 % / 400 V ~	N 150/18 ROOU 3 x 18	nur Valvo
C 1808	1	Kf. - Kondensator	1 µF / 10 % / 100 V ~	MKT 1822 - 510 / 0	Ero
C 1809	1	Kf. - Kondensator	0,1 µF / 20 % / 100 V ~	W N 110 / 3 / 7	
C 1810	1	Kf. - Kondensator	0,1 µF / 20 % / 100 V ~	W N 110 / 3 / 7	
C 1811	1	Kf. - Kondensator	10 nF / 20 % / 630 V ~	W N 110 / 3 / 7	
C 1812	1	Kf. - Kondensator	1 µF / 10 % / 100 V ~	MKT 1822 - 510 / 0	Ero
C 1813	1	Kf. - Kondensator	0,1 µF / 20 % / 100 V ~	W N 110 / 3 / 7	
C 1814	1	Kf. - Kondensator	0,1 µF / 20 % / 100 V ~	W N 110 / 3 / 7	
C 1815	1	Kf. - Kondensator	10 nF / 20 % / 630 V ~	W N 110 / 3 / 7	

Teil	Stck	Bezeichnung	Bestellangaben Elektrische Werte	Benennung	Hersteller, Anmerkgn
C 1816	1	Glimmer - Kondens.	1 nF / 1 % / 250 V ~	Bf. 53 - 1	Jahre
C 1817	1	Ker - Kondensator	47 pF / 2 %	W N 110 / 2 / 3	
C 1818	1	Ker - Kondensator	33 pF / 2 %	W N 110 / 2 / 3	
C 1819	1	Kf. - Kondensator	10 nF / 20 % / 630 V ~	W N 110 / 3 / 7	
C 1820	1	Ker - Kondensator	120 pF / 2 %	W N 110 / 2 / 3	
C 1821	1	Ker - Kondensator	10 nF . + 80 - 20 % /	W N 110 / 2 / 3	
C 1822	1	Ker - Kondensator	56 pF / 2 %	W N 110 / 2 / 3	
C 1823	1	Glimmer - Kondens.	150 pF / 5 % / 350 V ~	Bf. 49.14 - 4	Jahre
C 1824	1	Elko	22 µF / 20 % 16 V ~	W N 110 / 5 / 61	
C 1825					
C 1826	1	Ker - Kondensator	82 pF / 2 %	W N 110 / 2 / 3	
C 1827	1	Ker - Kondensator	18 pF / 5 %	W N 110 / 2 / 3	
C 1828	1	Ker - Kondensator	1 nF / + 80 - 20 %	W N 116 / 2 / 3	
T 1901	1	Transistor		BSX 29	
T 1902	1	Transistor		BFX 59	nur Siemens 2)
T 1903	1	Transistor		BCY 59 D	1)
T 1904	1	Transistor		BSX 29	
T 1905	1	Transistor		BCY 59 D	1)
T 1906	1	Transistor		2 N 708 / BSX 88	
T 1907	1	Transistor		BSX 29	
T 1908	1	Transistor		BSX 29	
G1 1901	1	Diode		DGA - 5	ITT
G1 1902	1	Diode		DGA - 5	ITT
G1 1903	1	Diode		DGA - 5	ITT
G1 1904	1	Diode		DGA - 5	ITT
G1 1905	1	Diode		HV 1648	nur Motorola 3)
G1 1906	1	Diode		HP 5082 - 2811	4)
	1	Übertrager		Bv. 341 - 7777	
L 1801	1	Spule	3,3 µH	No. 1537 - 24	Delevan
L 1802	1	Spule	30 µH / 0,3 A	B 82 501 - A - E 6	Siemens
L 1803	1	Spule		Bv. 341 - 7838	
L 1804	1	Spule	68 µH	No. 1537 - 68	Delevan
L 1805	1	Spule	1 µH	No. 1537 - 12	Delevan

Serie ...H: 1) BSY 80 2) 2 N 2708
3) Serie ..K: BA 112 Serie ...H: 4) BAX 25

22-MHz-Oszillator, Phasenvergleicher SPM-6
22 MHz Oscillator, Phase Comparator BN 341/4 (18)

Teil	Stck.	Bezeichnung	Elektrische Werte	Bestellangaben Benennung	Hersteller, Anmerkgn
R 1901	1	Schichtwiderstand	27 kΩ / 5 % / 0,25 W / KI 2	WK 18 / 3 / 1	
R 1902	1	Schichtwiderstand	39 kΩ / 5 % / 0,25 W / KI 2	WK 18 / 3 / 1	
R 1903	1	Schichtwiderstand	56 kΩ / 5 % / 0,25 W / KI 2	WK 18 / 3 / 1	
R 1904	1	Schichtwiderstand	1,5 kΩ / 5 % / 0,25 W / KI 2	WK 18 / 3 / 1	
R 1905	1	Schichtwiderstand	1,5 kΩ / 5 % / 0,25 W / KI 2	WK 18 / 3 / 1	
R 1906	1	Schichtwiderstand	820 Ω / 5 % / 0,25 W / KI 2	WK 18 / 3 / 1	
R 1907	1	Schichtwiderstand	15 kΩ / 1 % / 0,25 W / KI 0,5	Lv. 18 / 1 / 3	
R 1908	1	Schichtwiderstand	220 kΩ / 5 % / 0,25 W / KI 2	WK 18 / 3 / 1	
R 1909	1	Schichtwiderstand	100 kΩ / 5 % / 0,25 W / KI 2	WK 18 / 3 / 1	
R 1911	1	Schichtwiderstand	22 kΩ / 5 % / 0,25 W / KI 2	WK 18 / 3 / 1	
R 1912	1	Schichtwiderstand	15 kΩ / 1 % / 0,25 W / KI 0,5	Lv. 18 / 1 / 3	
R 1913	1	Schichtwiderstand	47 kΩ / 5 % / 0,25 W / KI 2	WK 18 / 3 / 1	
R 1914	1	Schichtwiderstand	12 kΩ / 5 % / 0,25 W / KI 2	WK 18 / 3 / 1	
R 1915	1	Schichtwiderstand	100 Ω / 5 % / 0,25 W / KI 2	WK 18 / 3 / 1	
R 1916	1	Schichtwiderstand	2,7 kΩ / 5 % / 0,25 W / KI 2	WK 18 / 3 / 1	
R 1917	1	Schichtwiderstand	1,5 kΩ / 5 % / 0,25 W / KI 2	WK 18 / 3 / 1	
R 1918	1	Schichtwiderstand	15 kΩ / 5 % / 0,25 W / KI 2	WK 18 / 3 / 1	
R 1919	1	Schichtwiderstand	100 Ω / 5 % / 0,25 W / KI 2	WK 18 / 3 / 1	
R 1920	1	Schichtwiderstand	12 kΩ / 5 % / 0,25 W / KI 2	WK 18 / 3 / 1	
R 1921	1	Schichtwiderstand	100 kΩ / 5 % / 0,25 W / KI 2	WK 18 / 3 / 1	
R 1922	1	Schichtwiderstand	18 kΩ / 5 % / 0,25 W / KI 2	WK 18 / 3 / 1	
R 1923	1	Schichtwiderstand	1 MΩ / 5 % / 0,25 W / KI 2	WK 18 / 3 / 1	
R 1924	1	Schichtwiderstand	3,9 kΩ / 5 % / 0,25 W / KI 2	WK 18 / 3 / 1	
R 1925	1	Schichtwiderstand	10 kΩ / 5 % / 0,25 W / KI 2	WK 18 / 3 / 1	
R 1926	1	Schichtwiderstand	4,7 kΩ / 5 % / 0,25 W / KI 2	WK 18 / 3 / 1	
R 1927	1	Schichtwiderstand	1 kΩ / 5 % / 0,25 W / KI 2	WK 18 / 3 / 1	
R 1928	1	Schichtwiderstand	10 kΩ / 5 % / 0,25 W / KI 2	WK 18 / 3 / 1	
R 1929	1	Schichtwiderstand	1 kΩ / 5 % / 0,25 W / KI 2	WK 18 / 3 / 1	
R 1930	1	Schichtwiderstand	10 kΩ / 5 % / 0,25 W / KI 2	WK 18 / 3 / 1	
R 1931	1	Schichtwiderstand	220 kΩ / 5 % / 0,25 W / KI 2	WK 18 / 3 / 1	
R 1932	1	Schichtwiderstand	1 kΩ / 5 % / 0,25 W / KI 2	WK 18 / 3 / 1	
R 1933	1	Schichtwiderstand	220 kΩ / 5 % / 0,25 W / KI 2	WK 18 / 3 / 1	
R 1934	1	Schichtwiderstand	15 kΩ / 5 % / 0,25 W / KI 2	WK 18 / 3 / 1	
R 1935	1	Schichtwiderstand	1 kΩ / 5 % / 0,25 W / KI 2	WK 18 / 3 / 1	
R 1936	1	Schichtwiderstand	18 kΩ / 5 % / 0,25 W / KI 2	WK 18 / 3 / 1	
R 1937	1	Schichtwiderstand	100 Ω / 5 % / 0,25 W / KI 2	WK 18 / 3 / 1	
R 1938	1	Schichtwiderstand	56 Ω / 5 % / 0,25 W / KI 2	WK 18 / 3 / 1	
R 1939	1	Schichtwiderstand	10 Ω / 5 % / 0,25 W / KI 2	WK 18 / 3 / 1	
R 1940	1	Schichtwiderstand	68 Ω / 5 % / 0,25 W / KI 2	WK 18 / 3 / 1	
C 1901	1	Elko	22 µF / 20 % / 16 V -	WK 110 / 5 / 61	
C 1902	1	Kf. - Kondensator	0,1 µF / 20 % / 100 V -	WK 110 / 3 / 7	
C 1903	1	Kf. - Kondensator	0,1 µF / 20 % / 100 V -	WK 110 / 3 / 7	
C 1904	1	Kf. - Kondensator	0,1 µF / 20 % / 100 V -	WK 110 / 3 / 7	
C 1905	1	Kf. - Kondensator	0,1 µF / 20 % / 100 V -	WK 110 / 3 / 7	
C 1906	1	Kf. - Kondensator	220 pF / 2 % / 160 V -	WK 110 / 3 / 1	
C 1907	1	Kf. - Kondensator	0,1 µF / 20 % / 100 V -	WK 110 / 3 / 7	
C 1908	1	Kf. - Kondensator	0,1 µF / 20 % / 100 V -	WK 110 / 3 / 7	
C 1909	1	Ker - Kondensator	150 pF / 2 %	WK 110 / 2 / 3	

Teil	Stck.	Bezeichnung	Elektrische Werte	Bestellangaben Benennung	Hersteller, Anmerkgn
C 1910	1	Kf. - Kondensator	0,1 µF / 20 % / 100 V -	WK 110 / 3 / 7	
C 1911	1	Kf. - Kondensator	0,1 µF / 20 % / 100 V -	WK 110 / 3 / 7	
C 1912	1	Ker - Kondensator	150 pF / 2 % -	WK 110 / 2 / 3	
C 1913	1	Kf. - Kondensator	0,1 µF / 20 % / 100 V -	WK 110 / 3 / 7	
C 1914	1	Glimmer-Kondens.	1 nF / 10 % / 250 V -	Bf. 53 - 1	Jahre
C 1915	1	Kf. - Kondensator	10 nF / 20 % / 630 V -	WK 110 / 3 / 7	
C 1916	1	Kf. - Kondensator	0,1 µF / 20 % / 100 V -	WK 110 / 3 / 7	
C 1917	1	Ker - Kondensator	33 pF / 2 %	WK 110 / 2 / 3	
C 1918	1	Kf. - Kondensator	0,1 µF / 20 % / 100 V -	WK 110 / 3 / 7	
C 1919	1	Kf. - Kondensator	0,1 µF / 20 % / 100 V -	WK 110 / 3 / 7	
C 1920	1	Ker - Kondensator	4,7 nF / +50 -20 % / 500 V -	WK 110 / 2 / 52	
C 1921	1	Ker - Kondensator	4,7 nF / +50 -20 % / 500 V	WK 110 / 2 / 52	
C 1922	1	Glimmer-Kondens.	1 nF / 10 % / 250 V -	Bf. 53 - 1	Jahre
C 1923	1	Ker.- Kondensator	4,7 nF / +50 -20 % / 500 V	WK 110 / 2 / 52	
G1 1901	1	Diode		BA 102 blau	Valvo
G1 1902	1	Diode		1 N 914 / 1 N 4448	
G1 1903	1	Diode		1 N 914 / 1 N 4448	
G1 1904	1	Diode		1 N 914 / 1 N 4448	
G1 1905	1	Diode		1 N 914 / 1 N 4448	
G1 1906	1	Diode		1 N 914 / 1 N 4448	
T 1901	1	Transistor		2 N 708 / BSX 88	
T 1902	1	Transistor		2 N 708 / BSX 88	
T 1903	1	Transistor		BSX 27	
T 1904	1	Transistor		2 N 708 / BSX 88	
T 1905	1	Transistor		2 N 708 / BSX 88	
T 1906	1	Transistor		2 N 930 / BFX 93	
T 1907	1	Transistor		2 N 918 / BFX 73	
T 1908	1	Transistor		2 N 930 / BFX 93	
T 1909	1	Transistor		2 N 708 / BSX 88	
U 1901	1	Übertrager		Bv. 341 - 7749	
L 1901	1	Spule			
L 1902	1	Spule	33 µH	Nr. 1537 - 52	Delevan (Amphenol)
L 1903					
L 1904	1	Spule	33 µH	Nr. 1537 - 52	Delevan (Amphenol)
Q 1901	1	Quarz		Bv. 341 - 9702	

2,11-MHz-Oszillator, Phasenvergleicher SPM-6
2.11 MHz Oscillator, Phase Comparator BN 341/4 (19)

Teil	Stck	Bezeichnung	Elektrische Werte	Bestellangaben Benennung	Hersteller, Anmerkgn.
R 2001	1	Schichtwiderstand	27 kΩ / 1 % / 0,25 W / KT 0,5	WW 18 / 1 / 3	
R 2002	1	Schichtwiderstand	2,7 kΩ / 5 % / 0,25 W / KT 2	WW 18 / 3 / 1	
R 2003	1	Schichtwiderstand	15 kΩ / 5 % / 0,25 W / KT 2	WW 18 / 3 / 1	
R 2004	1	Schichtwiderstand	2,7 kΩ / 5 % / 0,25 W / KT 2	WW 18 / 3 / 1	
R 2005	1	Schichtwiderstand	6,8 kΩ / 5 % / 0,25 W / KT 2	WW 18 / 3 / 1	
R 2006	1	Schichtwiderstand	1,8 kΩ / 5 % / 0,25 W / KT 2	WW 18 / 3 / 1	
R 2007	1	Schichtwiderstand	136 kΩ / 1 % / 0,25 W / KT 0,5	WW 18 / 1 / 3	
R 2008	1	Schichtwiderstand	15 kΩ / 5 % / 0,25 W / KT 2	WW 18 / 3 / 1	
R 2009	1	Schichtwiderstand	22 kΩ / 5 % / 0,25 W / KT 2	WW 18 / 3 / 1	
R 2010	1	Schichtwiderstand	6,8 kΩ / 5 % / 0,25 W / KT 2	WW 18 / 3 / 1	
R 2011	1	Schichtwiderstand	27 kΩ / 5 % / 0,25 W / KT 2	WW 18 / 3 / 1	
R 2012	1	Schichtwiderstand	3,9 kΩ / 5 % / 0,25 W / KT 2	WW 18 / 3 / 1	
R 2013	1	Schichtwiderstand	520 kΩ / 1 % / 0,25 W / KT 0,5	WW 18 / 1 / 3	
R 2014	1	Schichtwiderstand	47 kΩ / 5 % / 0,25 W / KT 2	WW 18 / 3 / 1	
R 2015	1	Schichtwiderstand	47 kΩ / 5 % / 0,25 W / KT 2	WW 18 / 3 / 1	
R 2016	1	Schichtwiderstand	1 MΩ / 5 % / 0,25 W / KT 2	WW 18 / 3 / 1	
R 2017	1	Schichtwiderstand	100 kΩ / 5 % / 0,25 W / KT 2	WW 18 / 3 / 1	
R 2018	1	Schichtwiderstand	1 kΩ / 5 % / 0,25 W / KT 2	WW 18 / 3 / 1	
R 2019	1	Schichtwiderstand	1 MΩ / 5 % / 0,25 W / KT 2	WW 18 / 3 / 1	
R 2020	1	Schichtwiderstand	100 kΩ / 5 % / 0,25 W / KT 2	WW 18 / 3 / 1	
R 2021	1	Schichtwiderstand	22 kΩ / 5 % / 0,25 W / KT 2	WW 18 / 3 / 1	
R 2022	1	Schichtwiderstand	4,6 kΩ / 5 % / 0,25 W / KT 2	WW 18 / 3 / 1	
R 2023	1	Schichtwiderstand	2,7 kΩ / 5 % / 0,25 W / KT 2	WW 18 / 3 / 1	
R 2024					
R 2025					
R 2026	1	Schichtwiderstand	10 Ω / 5 % / 0,25 W / KT 2	WW 18 / 3 / 1	
R 2027	1	Schichtwiderstand	100 Ω / 5 % / 0,25 W / KT 2	WW 18 / 3 / 1	
R 2028	1	Schichtwiderstand	33 Ω / 5 % / 0,25 W / KT 2	WW 18 / 3 / 1	
C 2001	1	Ker.-Kondensator	10 pF/±0,25 pF/63 V/N 150/18	EORU 0,6 Rast 5 mm	1)
C 2002	1	Glimmer-Kondens.	220 pF / ± 3 pF / 250 V -	Bf. 53 - 1	Jahre
C 2003	1	Ker.-Kondensator	33 pF / 2 % / 63 V/N 150/18	EORU 0,6 Rast 5 mm	1)
C 2004	1	Ker.-Kondensator	56 pF / 2 % / 63 V/N-150/18	EORU 0,6 Rast 5 mm	1)
C 2005	1	Ker.-Kondensator	22 pF / 2 % / 63 V/N 150/18	EORU 0,6 Rast 5 mm	1)
C 2006	1	Glimmer-Kondens.	220 pF / ± 3 pF / 250 V -	Bf. 53 - 1	Jahre
C 2007	1	Ker.-Kondensator	39 pF / 2 % / 63 V/N 150/18	EORU 0,6 Rast 5 mm	1)
C 2008	1	Ker.-Kondensator	56 pF / 2 % / 63 V/N 150/18	EORU 0,6 Rast 5 mm	1)
C 2009	1	Ker.-Kondensator	22 pF / 2 % / 63 V/N 150/18	EORU 0,6 Rast 5 mm	1)
C 2010	1	Ker.-Kondensator	220 pF / ± 3 pF / 250 V -	Bf. 53 - 1	Jahre
C 2011	1	Ker.-Kondensator	39 pF / 2 % / 63 V/N 150/18	EORU 0,6 Rast 5 mm	1)
C 2012	1	Ker.-Kondensator	120 pF / 2 % / 63 V/N 150/18	EORU 0,6 Rast 5 mm	1)
C 2013	1	Elko	10 µF / 20 % / 20 V -	WW 110 / 5 / 61	
C 2014	1	Ker.-Kondensator	56 pF / 2 % / 63 V/N-150/18	EORU 0,6 Rast 5 mm	1)
C 2015	1	Elko	10 µF / 20 % / 20 V -	WW 110 / 5 / 61	
C 2016					
C 2017	1	Ker.-Kondensator	4,7 nF / +50 -20 % / 500 V -	WW 110 / 2 / 52	

Serie ...N: 1) 2 % / 63 V / Typ N5/U von RIC

Teil	Stck	Bezeichnung	Elektrische Werte	Bestellangaben Benennung	Hersteller, Anmerkgn.
C 2018	1	Elko	10 µF / 20 % / 20 V -	WW 110 / 5 / 61	
T 2001	1	Transistor		2 N 2369	Serie 0...N: 2 N 708 / BSX 88
T 2002	8	Transistor		2 N 708 / BSX 88	
T 2009					
T 2010	1	Transistor		2 N 3251	
	1	Rohrkern	8 x 4 x 30	B 62110 - A 8018 - X 025	Siemens
G1 2001					
G1 2008	8	Diode		1 N 914 / 1 N 4448	
G1 2009	1	Diode		1 N 914 / 1 N 4448	
St 2001	1	Stecker	75 Ω	WW 119 / 8 / 3	

Teil	Stck	Bezeichnung	Elektrische Werte	Bestellangaben Benennung	Hersteller, Anmerkgn
R 2101	1	Schichtwiderstand	100 Ω / 5 % / 0,25 W / KI 2	WN 18 / 3 / 1	
R 2102	1	Schichtwiderstand	12 kΩ / 5 % / 0,25 W / KI 2	WN 18 / 3 / 1	
R 2103	1	Schichtwiderstand	12 kΩ / 5 % / 0,25 W / KI 2	WN 18 / 3 / 1	
R 2104	1	Schichtwiderstand	220 Ω / 5 % / 0,25 W / KI 2	WN 18 / 3 / 1	
R 2105	1	Schichtwiderstand	1 kΩ / 5 % / 0,25 W / KI 2	WN 18 / 3 / 1	
R 2106	1	Schichtwiderstand	390 Ω / 5 % / 0,25 W / KI 2	WN 18 / 3 / 1	
R 2107	1	Schichtwiderstand	1,8 kΩ / 5 % / 0,25 W / KI 2	WN 18 / 3 / 1	
R 2108	1	Schichtwiderstand	1 kΩ / 5 % / 0,25 W / KI 2	WN 18 / 3 / 1	
R 2109	1	Schichtwiderstand	12 kΩ / 5 % / 0,25 W / KI 2	WN 18 / 3 / 1	
R 2110	1	Schichtwiderstand	470 Ω / 5 % / 0,25 W / KI 2	WN 18 / 3 / 1	
R 2111	1	Schichtwiderstand	2,7 kΩ / 5 % / 0,25 W / KI 2	WN 18 / 3 / 1	
R 2112	1	Schichtwiderstand	10 kΩ / 5 % / 0,25 W / KI 2	WN 18 / 3 / 1	
R 2113	1	Schichtwiderstand	1 kΩ / 5 % / 0,25 W / KI 2	WN 18 / 3 / 1	
R 2114	1	Schichtwiderstand	10 kΩ / 5 % / 0,25 W / KI 2	WN 18 / 3 / 1	
R 2115	1	Schichtwiderstand	220 kΩ / 5 % / 0,25 W / KI 2	WN 18 / 3 / 1	
R 2116	1	Schichtwiderstand	1 kΩ / 5 % / 0,25 W / KI 2	WN 18 / 3 / 1	
R 2117	1	Schichtwiderstand	10 kΩ / 5 % / 0,25 W / KI 2	WN 18 / 3 / 1	
R 2118	1	Schichtwiderstand	22 kΩ / 5 % / 0,25 W / KI 2	WN 18 / 3 / 1	
R 2119	1	Schichtwiderstand	1,8 kΩ / 5 % / 0,25 W / KI 2	WN 18 / 3 / 1	
R 2120	1	Schichtwiderstand	75 kΩ / 5 % / 0,25 W / KI 2	WN 18 / 3 / 1	
R 2121	1	Schichtwiderstand	100 Ω / 5 % / 0,25 W / KI 2	WN 18 / 3 / 1	
R 2122	1	Schichtwiderstand	56 kΩ / 5 % / 0,25 W / KI 2	WN 18 / 3 / 1	
R 2123	1	Schichtwiderstand	56 kΩ / 5 % / 0,25 W / KI 2	WN 18 / 3 / 1	
R 2124	1	Schichtwiderstand	27 kΩ / 5 % / 0,25 W / KI 2	WN 18 / 3 / 1	
R 2125	1	Schichtwiderstand	220 kΩ / 5 % / 0,25 W / KI 2	WN 18 / 3 / 1	
R 2126	1	Schichtwiderstand	220 kΩ / 5 % / 0,25 W / KI 2	WN 18 / 3 / 1	
R 2127	1	Schichtwiderstand	100 Ω / 5 % / 0,25 W / KI 2	WN 18 / 3 / 1	
R 2128	1	Schichtwiderstand	2,2 kΩ / 5 % / 0,25 W / KI 2	WN 18 / 3 / 1	
R 2129	1	Schichtwiderstand	15 kΩ / 5 % / 0,25 W / KI 2	WN 18 / 3 / 1	
R 2130	1	Schichtwiderstand	100 Ω / 5 % / 0,25 W / KI 2	WN 18 / 3 / 1	
P 2101	1	Schichtdrehwiderst.	50 kΩ / 0,5 W / lin	1 W N 17 / 2 / 8	
C 2101	1	Kf. - Kondensator	0,1 nF / 20 % / 100 V ~	WN 110 / 3 / 7	
C 2102	1	Kf. - Kondensator	0,1 nF / 20 % / 100 V ~	WN 110 / 3 / 7	
C 2103	1	Kf. - Kondensator	0,1 nF / 20 % / 100 V ~	WN 110 / 3 / 7	
C 2104	1	Kf. - Kondensator	0,1 nF / 20 % / 100 V ~	WN 110 / 3 / 7	
C 2105	1	Elko	1 nF / 20 % / 35 V --	WN 110 / 5 / 61	
C 2106	1	Kf. - Kondensator	0,1 nF / 20 % / 100 V ~	WN 110 / 3 / 7	
C 2107	1	Kf. - Kondensator	0,1 nF / 20 % / 100 V ~	WN 110 / 3 / 7	
C 2108	1	Kf. - Kondensator	0,1 nF / 20 % / 100 V ~	WN 110 / 3 / 7	
C 2109	1	Kf. - Kondensator	0,1 nF / 20 % / 100 V ~	WN 110 / 3 / 7	
C 2110	1	Kf. - Kondensator	150 pF / 2 % / 160 V~	WN 110 / 3 / 1	

Teil	Stck	Bezeichnung	Elektrische Werte	Bestellangaben Benennung	Hersteller, Anmerkgn
C 2111	1	Kf. - Kondensator	330 pF / 5 % / 63 V~	WN 110 / 3 / 3	
C 2112	1	Kf. - Kondensator	1,5 nF / 2 % / 160 V~	WN 110 / 3 / 1	
C 2113	1	Kf. - Kondensator	0,22 nF / 20 % / 100 V ~	WN 110 / 3 / 7	
C 2114	1	Elko	15 nF / 20 % / 10 V ~	WN 110 / 5 / 61	
C 2115	1	Kf. - Kondensator	680 pF / 2 % / 160 V~	WN 110 / 3 / 1	
C 2116	1	Elko	1 nF / 20 % / 35 V --	WN 110 / 5 / 61	
C 2117	1	Elko	1 nF / 20 % / 35 V --	WN 110 / 5 / 61	
C 2118	1	Kf. - Kondensator	10 nF / 20 % / 630 V ~	WN 110 / 3 / 7	
T 2101	1	Transistor		2 N 708 / BSX 88	
T 2102	1	Transistor		BSX 29	
T 2103	1	Transistor		2 N 708 / BSX 88	
T 2104	1	Transistor		2 N 930 / BFX 93	
T 2105	1	Transistor		BCY 59 D	
T 2106	1	Transistor		BCY 59 D	Serie ...N: BSY 80
T 2107	1	Transistor		BCY 59 D	
T 2108	1	Transistor		2 N 930 / BFX 93	
G1 2101	1	Diode		1 N 914 / 1 N 4448	
G1 2102	1	Diode		1 N 914 / 1 N 4448	
G1 2103	1	Diode		1 N 914 / 1 N 4448	
G1 2104	1	Diode		1 N 914 / 1 N 4448	
G1 2105	1	Diode		1 N 914 / 1 N 4448	
Ü 2101	1	Übertrager		Bv. 341 - 7736	
Ü 2102	1	Übertrager		Bv. 341 - 7771	B 1: Bv. 341 - 7746
J 2101	1	Instrument		Bv. 341 - 8103	
Bu 2101	1	Buchse	75 Ω	11 WN 119 / 8 / 1	

Teil	Stck	Bezeichnung	Elektrische Werte	Bestellangaben Benennung	Hersteller, Anmerkgn
R 2201	1	Schichtwiderstand	330 Ω / 5 % / 0,25 W / K1 2	WW 18 / 3 / 1	
R 2202	1	Schichtwiderstand	33 kΩ / 5 % / 0,25 W / K1 2	WW 18 / 3 / 1	
R 2203	1	Schichtwiderstand	470 Ω / 5 % / 0,25 W / K1 2	WW 18 / 3 / 1	
R 2204	1	Schichtwiderstand	220 Ω / 5 % / 0,25 W / K1 2	WW 18 / 3 / 1	
R 2205	1	Schichtwiderstand	1 kΩ / 5 % / 0,25 W / K1 2	WW 18 / 3 / 1	
R 2206					
R 2207	1	Schichtwiderstand	68 Ω / 5 % / 0,25 W / K1 2	WW 18 / 3 / 1	
R 2208	1	Schichtwiderstand	100 Ω / 5 % / 0,25 W / K1 2	WW 18 / 3 / 1	
R 2209	1	Schichtwiderstand	680 Ω / 5 % / 0,25 W / K1 2	WW 18 / 3 / 1	
R 2210	1	Schichtwiderstand	27 kW / 1 % / 0,25 W / K1 C,5	Lv. 18 / 1 / 3	
R 2211	1	Schichtwiderstand	27 kW / 1 % / 0,25 W / K1 C,5	Lv. 18 / 1 / 3	
R 2212	1	Schichtwiderstand	680 Ω / 5 % / 0,25 W / K1 2,	WW 18 / 3 / 1	
R 2213	1	Schichtwiderstand	18 kW / 1 % / 0,25 W / K1 C,5	Lv. 18 / 1 / 3	
R 2214	1	Schichtwiderstand	100 Ω / 5 % / 0,25 W / K1 2	WW 18 / 3 / 1	
R 2215	1	Schichtwiderstand	27 kΩ / 1 % / 0,25 W / K1 C,5	WW 18 / 1 / 3	Serie ...N: 27 kΩ
R 2216	1	Schichtwiderstand	100 Ω / 5 % / 0,25 W / K1 2	WW 18 / 3 / 1	
R 2217	1	Schichtwiderstand	560 Ω / 5 % / 0,25 W / K1 2	WW 18 / 3 / 1	
R 2218	1	Schichtwiderstand	680 Ω / 5 % / 0,25 W / K1 2	WW 18 / 3 / 1	
R 2219	1	Schichtwiderstand	100 Ω / 5 % / 0,25 W / K1 2	WW 18 / 3 / 1	
R 2220	1	Schichtwiderstand	270 Ω / 5 % / 0,25 W / K1 2	WW 18 / 3 / 1	
R 2221	1	Schichtwiderstand	100 Ω / 5 % / 0,25 W / K1 2	WW 18 / 3 / 1	
R 2222	1	Schichtwiderstand	18 kΩ / 5 % / 0,25 W / K1 2	WW 18 / 3 / 1	
R 2223	1	Schichtwiderstand	5,8 kΩ / 5 % / 0,25 W / K1 2	WW 18 / 3 / 1	
R 2224	1	Schichtwiderstand	18 kΩ / 5 % / 0,25 W / K1 2	WW 18 / 3 / 1	
R 2225	1	Schichtwiderstand	33 Ω / 5 % / 0,25 W / K1 2	WW 18 / 3 / 1	
R 2226	1	Schichtwiderstand	8,2 kΩ / 5 % / 0,25 W / K1 2	WW 18 / 3 / 1	
R 2227	1	Schichtwiderstand	39 kΩ / 5 % / 0,25 W / K1 2	WW 18 / 3 / 1	
R 2228	1	Schichtwiderstand	100 Ω / 5 % / 0,25 W / K1 2	WW 18 / 3 / 1	
R 2229	1	Schichtwiderstand	100 Ω / 5 % / 0,25 W / K1 2	WW 18 / 3 / 1	
R 2230	1	Schichtwiderstand	100 Ω / 5 % / 0,25 W / K1 2	WW 18 / 3 / 1	
R 2231	1	Metall - Schichtwiderstand	725 Ω / 2 % / 150 mW	MEAD TK 25	Steag
R 2232	1	Schichtwiderstand	22 kΩ / 5 % / 0,25 W / K1 2	WW 18 / 3 / 1	
R 2233	1	Schichtwiderstand	22 kΩ / 5 % / 0,25 W / K1 2	WW 18 / 3 / 1	
R 2234	1	Schichtwiderstand	100 Ω / 5 % / 0,25 W / K1 2	WW 18 / 3 / 1	
R 2235	1	Metall - Schichtwiderstand	725 Ω / 2 % / 150 mW	MEAD TK 25	Steag
R 2236	1	Schichtwiderstand	100 Ω / 5 % / 0,25 W / K1 2	WW 18 / 3 / 1	
R 2237					
R 2238	1	Schichtwiderstand	22 Ω / 5 % / 0,25 W / K1 2	WW 18 / 3 / 1	
R 2239	1	Schichtwiderstand	10 W / 5% / 0,25 W / K1 2	WW 18 / 3 / 1	
R 2240	1	Schichtwiderstand	10 W / 5 % / 0,25 W / K1 2	WW 18 / 3 / 1	
R 2241	1	Schichtwiderstand	10 Ω / 5 % / 0,25 W / K1 2	WW 18 / 3 / 1	
R 2242	1	Schichtwiderstand	5,6 kΩ / 5 % / 0,25 W / K1 2	WW 18 / 3 / 1	
R 2243	1	Schichtwiderstand	8,2 kΩ / 5 % / 0,25 W / K1 2	WW 18 / 3 / 1	
R 2244	1	Schichtwid.	10 Ω / 5 % / K1.2 / C0309	WW 18 / 3 / 1	
R 2245	1	Schichtwiderstand	100 Ω / 5 % / 0,25 W / K1 2	WW 18 / 3 / 1	Serie ...N: entfällt

Teil	Stck	Bezeichnung	Elektrische Werte	Bestellangaben Benennung	Hersteller, Anmerkgn
C 2201	1	Ker.-Kondensator	12 pF / 5 %	WK 110 / 2 / 3	
C 2202	1	Ker.-Kondensator	1 nF / +80 -20 %	WK 110 / 2 / 3	
C 2203	1	Kf. -Kondensator	0,1 µF / 20 % / 100 V -	WK 110 / 3 / 7	
C 2204	1	Kf. -Kondensator	10 nF / 20 % / 630 V -	WK 110 / 3 / 7	
C 2205	1	Ker.-Kondensator	100 pF / 2 % / 400 V/M 150/18	ROQU 3 x 18	nur Valve
C 2206	1	Kf. -Kondensator	0,1 µF / 20 % / 100 V -	WK 110 / 3 / 7	
C 2207	1	Kf. -Kondensator	10 nF / 20 % / 630 V -	WK 110 / 3 /7	
C 2208	1	Ker.-Kondensator	82 pF / 2 % / 400 V -	WK 110 / 2 / 3	
C 2209	1	Ker.-Kondensator	1 nF / +80 -20 %	WK 110 / 2 / 3	
C 2210	1	Kf. -Kondensator	0,1 µF / 20 % / 100 V -	WK 110 / 3 / 7	
C 2211	1	Ker.-Kondensator	1 nF / +80 -20 %	WK 110 / 2 / 3	
C 2212	1	Ker.-Kondensator	1 nF / +80 -20 %	WK 110 / 2 / 3	
C 2213	1	Ker.-Kondensator	1 nF / +80 -20 %	WK 110 / 2 / 3	
C 2214	1	Glimmer-Kondens.	1 nF / 10 % / 250 V -	Bf. 53 - 1	Jahre
C 2215	1	Glimmer-Kondens.	220 pF / ± 3 pF / 250 V -	Bf. 53 - 1	Jahre
C 2216	1	Ker.-Kondensator	33 pF / 2 %	WK 110 / 2 / 3	
C 2217	1	Ker.-Kondensator	120 pF / 2 %	WK 110 / 2 / 3	
C 2218	1	Ker.-Kondensator	1 nF / +80 -20 %	WK 110 / 2 / 3	
C 2219	1	Ker.-Kondensator	1 nF / +80 -20 %	WK 110 / 2 / 3	
C 2220	1	Ker.-Kondensator	1 nF / +80 -20 %	WK 110 / 2 / 3	
C 2221	1	Ker.-Kondensator	1 nF / +80 -20 %	WK 110 / 2 / 3	
C 2222	1	Ker.-Kondensator	1 nF / +80 -20 %	WK 110 / 2 / 3	
C 2223	1	Ker.-Kondensator	16 pF / 2 % / 400 V-	N 150 / 18 ROQU 3 x 10	Valve
C 2224	1	Ker.-Kondensator	1 nF / +80 -20 %	WK 110 / 2 / 3	
C 2225	1	Ker.-Kondensator	4,7 nF /+50 -20 % / 500 V -	WK 110 / 2 / 52	
C 2226	1	Ker.-Kondensator	4,7 nF / +50 -20 % / 500 V -	WK 110 / 2 / 52	
C 2227	1	Kf. -Kondensator	0,47 µF / 10 % / 100 V -	MKT 1822 - 447 / 0	Ero
C 2228	1	Kf. -Kondensator	0,47 µF / 10 % / 100 V -	MKT 1822 - 447 / 0	Ero
C 2229	1	Ker.-Kondensator	4,7 nF / +50 -20 % / 500 V -	WK 110 / 2 / 52	
C 2230					
C 2231	1	Ker.-Kondensator	4,7 nF / +50 -20 % / 500 V -	WK 110 / 2 / 52	
C 2232	1	Ker.-Kondensator	4,7 nF / +50 -20 % / 500 V -	WK 110 / 2 / 52	
C 2233	1	Ker.-Kondensator	4,7 nF / +50 -20 % / 500 V -	WK 110 / 2 / 52	
C 2234	1	Ker. Kond.	4,7 nF / +50 -20 % /500 V-	WK 110 / 2 / 52	
C 2235	1	Ker. Kond.	4,7 nF / +80 -20 % /500 V-	WK 110 / 2 / 3	

Teil	Stck	Bezeichnung	Elektrische Werte	Bestellangaben Benennung	Hersteller, Anmerkgn
G1 2201	1	Diode		OGA - 5	ITT
G1 2202	1	Diode		OGA - 5	ITT
G1 2203	1	Diode		OGA - 5	ITT
G1 2204	1	Diode		OGA - 5	ITT
G1 2205	1	Diode		1 N 914 / 1 N 4448	
G1 2206	1	Diode		1 N 914 / 1 N 4448	
G1 2207	1	Diode		MV 1648	nur Motorola 5)
G1 2208	1	Diode		HP 5082 - 2811	6)
T 2201	1	Transistor		BFX 59	nur Siemens 4)
T 2202	1	Transistor		BCY 59 D	3)
T 2203	1	Transistor		BCY 59 D	3)
T 2204	1	Transistor		BSX 27	
T 2205	1	Transistor		BSX 27	
T 2206	1	Transistor		BSX 27	
T 2207	1	Transistor		2 N 2784	

Teil	Stck	Bezeichnung	Elektrische Werte	Bestellangaben Benennung	Hersteller, Anmerkgn
T 2208	1	Transistor		2 N 2784	Transitron
Tr 2201	1	Übertrager		Bv. 341 - 7727	
L 2201	1	Spule	27 µH	2 W N 117 / 1 / 1	
L 2202	1	Spule	27 µH	2 W N 117 / 1 / 1	
L 2203	1	Spule	27 µH	2 W N 117 / 1 / 1	
L 2204	1	Spule		Bv. 341 - 7888.1	
L 2205	1	Spule	33 µH	No. 1537 - 52	Delevan
L 2206	1	Spule	27 µH	2 W N 117 / 1 / 1	
L 2207	1	Spule	27 µH	2 W N 117 / 1 / 1	
L 2208	1	Spule		Bv. 341 - 7851	
L 2209	1	Spule	27 µH	2 W N 117 / 1 / 1	
L 2210	1	Spule		2 W N 117 / 1 / 1	
L 2211	1	Spule		2 W N 117 / 1 / 1	
L 2212	1	Spule		2 W N 117 / 1 / 1	
	6	Ringkerne	5x3x2, 550 N 33 AL 760 ± 20%	B 64 290 - A 0078 - X 033	Siemens
L 2213	1	Spule	27 µH	1 WN 117 / 1 / 1	
L 2214	1	Spule	27 µH	1 WN 117 / 1 / 1	

Serie ...N: 3) BSY 80 4) 2 N 2708 Serie ...K: 5) BA 112 Serie ...A: 6) BAX 25

24-MHz-Eichoszillator SPM-6
24 MHz Calibration Oscillator BN 341/4 (22)

Teil	Stck	Bezeichnung	Elektrische Werte	Bestellangaben Benennung	Hersteller, Anmerkgn
R 2301	1	Schichtwiderstand	330 Ω / 5 % / 0,25 W / KI 2	WN 18 / 3 / 1	
R 2302	1	Schichtwiderstand	330 Ω / 5 % / 0,25 W / KI 2	WN 18 / 3 / 1	
R 2303	1	Schichtwiderstand	1 kΩ / 5 % / 0,25 W / KI 2	WN 18 / 3 / 1	
R 2304	1	Schichtwiderstand	39 Ω / 5 % / KI 2 / 0309	WN 18 / 3 / 1	
R 2305	1	Schichtwiderstand	1,0 kΩ / 1 % / 0,25 W / KI 0,5	WN 18 / 1 / 3	
R 2306	1	Schichtwiderstand	68 Ω / 5 % / 0,25 W / KI 2	WN 18 / 3 / 1	
R 2307	1	Schichtwiderstand	10 kΩ / 5 % / 0,25 W / KI 2	WN 18 / 3 / 1	
R 2308	1	Schichtwiderstand	22 Ω / 5 % / 0,25 W / KI 2	WN 18 / 3 / 1	
R 2309	1	Schichtwiderstand	1,5 kΩ / 1 % / 0,25 W / KI 0,5	WN 18 / 1 / 3	
R 2310	1	Schichtwiderstand	120 Ω / 5 % / 0,25 W / KI 2	WN 18 / 3 / 1	
R 2311	1	Schichtwiderstand	1,5 kΩ / 1 % / 0,25 W / KI 0,5	WN 18 / 1 / 3	
R 2312	1	Schichtwiderstand	2,7 kΩ / 1 % / 0,25 W / KI 0,5	WN 18 / 1 / 3	
R 2313	1	Schichtwiderstand	68 Ω / 5 % / 0,25 W / KI 2	WN 18 / 3 / 1	
R 2314	1	Schichtwiderstand	68 Ω / 5 % / 0,25 W / KI 2	WN 18 / 3 / 1	
R 2315	1	Schichtwiderstand	47 Ω / 5 % / 0,25 W / KI 2	WN 18 / 3 / 1	
R 2316	1	Schichtwiderstand	680 Ω / 1 % / 0,25 W / KI 0,5	WN 18 / 1 / 3	
R 2317	1	Metall-Schichtwiderstand	53 Ω / 1 %	MFE 0809	RIG
R 2318	1	Schichtwiderstand	91 Ω / 1 % / KI 0,5 / 0309	WN 18 / 1 / 3	
R 2319	1	Schichtwiderstand	68 Ω / 5 % / 0,25 W / KI 2	WN 18 / 3 / 1	
R 2320					
R 2321					
R 2322	1	Schichtwiderstand	120 Ω / 5 % / 0,25 W / KI 2	WN 18 / 3 / 1	
R 2323	1	Schichtwiderstand	68 Ω / 5 % / 0,25 W / KI 2	WN 18 / 3 / 1	
R 2324	1	Schichtwiderstand	680 Ω / 5 % / 0,25 W / KI 2	WN 18 / 3 / 1	
R 2325	1	Schichtwiderstand	68 Ω / 5 % / 0,25 W / KI 2	WN 18 / 3 / 1	

Teil	Stck	Bezeichnung	Elektrische Werte	Bestellangaben Benennung	Hersteller, Anmerkgn
R 2326	1	Schichtwiderstand	10 Ω / 5 % / 0,25 W / KI 2	WN 18 / 3 / 1	
R 2327	1	Schichtwiderstand	10 Ω / 5 % / 0,25 W / KI 2	WN 18 / 3 / 1	
R 2328	1	Schichtwiderstand	10 Ω / 5 % / 0,25 W / KI 2	WN 18 / 3 / 1	
R 2329	1	Schichtwiderstand	390 Ω / 5 % / 0,25 W / KI 2	WN 18 / 3 / 1	
R 2330	1	Schichtwiderstand	270 Ω / 5 % / 0,25 W / KI 2	WN 18 / 3 / 1	
R 2331	1	Schichtwiderstand	12 kΩ / 5 % / 0,25 W / KI 2	WN 18 / 3 / 1	
R 2332	1	Schichtwiderstand	390 Ω / 5 % / 0,25 W / KI 2	WN 18 / 3 / 1	
R 2333	1	Schichtwiderstand	47 Ω / 5 % / 0,25 W / KI 2	WN 18 / 3 / 1	
R 2334	1	Schichtwiderstand	680 Ω / 1 % / 0,25 W / KI 0,5	WN 18 / 1 / 3	
R 2335	1	Schichtwiderstand	56 Ω / 5 % / 0,25 W / KI 2	WN 18 / 3 / 1	
R 2336	1	Schichtwiderstand	22 Ω / 1 % / KI 0,5 / 0309	WN 18 / 1 / 3	
R 23.7	1	Schichtwiderstand	1 kΩ / 5 % / KI 2 / 0309	WN 18 / 3 / 1	
Bu 2301	1	Buchse		2 WN 119 / 8 / 1	
C 2301	1	Ker.-Kondensator	3,9 pF / ±0,5 pF	WN 110 / 2 / 3	
C 2302	1	Trimmer	1 ... 6 pF / N 075	R - Trike 109 - 01 N	Stettner u. Co
C 2303					
C 2304	1	Ker.-Kondensator	5,1 pF / ± 0,5 pF	WN 110 / 2 / 3	
C 2305	1	Kf.-Kondensator	33 nF / 20 % / 250 V -	WN 110 / 3 / 7	
C 2306	1	Ker.-Kondensator	10 nF / +100 -20 % / K 10 000	WN 110 / 2 / 10	
C 2307	1	Kf.-Kondensator	10 nF / 20 % / 630 V -	WN 110 / 3 / 7	
C 2308	1	Ker.-Kondensator	1 nF / ± 30 -20 %	WN 110 / 2 / 3	
C 2309	1	Kf.-Kondensator	0,1 µF / 20 % / 100 V -	WN 110 / 3 / 7	

Eichmischer, Trennstufe SPM-6
Calibration Mixer, Buffer Stage BN 341/4 (23)

Fortsetzung (continued)

Teil	Stck	Bezeichnung	Elektrische Werte	Bestellangaben Benennung	Hersteller, Anmerkgn
G1 2301	1	Diode		HP 2800	Hewlett-Packard
G1 2302	1	Diode		HP 2800	Hewlett-Packard
G1 2303	1	Diode		HP 2800	Hewlett-Packard
G1 2304	1	Diode		HP 2800	Hewlett-Packard
T 2301	1	Transistor		2 N 2784	
T 2302	1	Transistor		BSX 27	
T 2303	1	Transistor		BSX 27	
T 2304	1	Transistor		BSX 27	
T 2305	1	Transistor		BSX 27	
T 2306	1	Transistor		BSX 27	
T 2307	1	Transistor		BSX 29	
Ü 2301	1	Übertrager		Bv. 341 - 7754.1	
L 2301	1	Spule		Bv. 341 - 7852	
L 2302	1	Spule	27 µH	2 WN 117 / 1 / 1	
L 2303	1	Spule	27 µH	2 WN 117 / 1 / 1	

Teil	Stck	Bezeichnung	Elektrische Werte	Bestellangaben Benennung	Hersteller, Anmerkgn
C 2310	1	Ker.-Kondensator	1 nF / + 80 -20 %	WN 110 / 2 / 3	
C 2311	1	Ker.-Kondensator	1 nF / + 80 -20 %	WN 110 / 2 / 3	
C 2312	1	Ker.-Kondensator	1 nF / + 80 -20 %	WN 110 / 2 / 3	
C 2313	1	Ker.-Kondensator	1 nF / + 80 -20 %	WN 110 / 2 / 3	
C 2314					
C 2315	1	Kf. -Kondensator	0,1 µF / 20 % / 100 V -	WN 110 / 3 / 7	
C 2316	1	Ker.-Kondensator	1 nF / + 80 -20 %	WN 110 / 2 / 3	
C 2317	1	Ker.-Kondensator	1 nF / + 80 -20 %	WN 110 / 2 / 3	
C 2318	1	Ker.-Kondensator	10 pF / 5 %	WN 110 / 2 / 3	
C 2319	1	Ker.-Kondensator	15 pF / 5 %	WN 110 / 2 / 3	
C 2320	1	Ker.-Kondensator	4,7 nF / +50 -20 % / 500 V -	WN 110 / 2 / 52	
C 2321	1	Ker.-Kondensator	4,7 nF / +50 -20 % / 500 V -	WN 110 / 2 / 52	
C 2322	1	Ker.-Kondensator	4,7 nF / +50 -20 % / 500 V -	WN 110 / 2 / 52	
C 2323	1	Kf. -Kondensator	10 nF / 20 % / 630 V -	WN 110 / 3 / 7	
C 2324	1	Kf. -Kondensator	10 nF / 20 % / 630 V -	WN 110 / 3 / 7	
C 2325	1	Ker.-Kondensator	1 nF / + 80 -20 %	WN 110 / 2 / 3	
C 2326	1	Glimmer-Kondens.	1 nF / 20 % / 300 V -	Bf. 49.14 - 4	Jahre
C 2327	1	Ker. - Kondensator	39 pF / 2%	WN 110 / 2 / 3	Abgleichwert*
L 2304	1	Spule	27 µH	2 WN 117 / 1 / 1	
L 2305					
L 2306	1	Spule	27 µH	2 WN 117 / 1 / 1	
L 2307	1	Spule	27 µH	2 WN 117 / 1 / 1	
L 2308	1	Spule	1,2 µH	1537 - 14	Delevan
L 2309	1	Spule	27 µH	2 WN 117 / 1 / 1	

Eichmischer, Trennstufe SPM-6
Calibration Mixer, Buffer Stage BN 341/4 (23)

Teil	Stck	Bezeichnung	Elektrische Werte	Bestellangaben Benennung	Hersteller, Anmerkgn
R 2401	1	Schichtwiderstand	2,7 kΩ / 5 % / 0,25 W / K1 2	WN 18 / 3 / 1	
R 2402	1	Schichtwiderstand	27 kΩ / 5 % / 0,25 W / K1 2	WN 18 / 3 / 1	
R 2403	1	Schichtwiderstand	68 Ω / 5 % / 0,25 W / K1 2	WN 18 / 3 / 1	
R 2404	1	Schichtwiderstand	15 kΩ / 5 % / 0,25 W / K1 2	WN 18 / 3 / 1	
R 2405	1	Schichtwiderstand	100 kΩ / 5 % / 0,25 W / K1 2	WN 18 / 3 / 1	
R 2406	1	Schichtwiderstand	68 Ω / 5 % / 0,25 W / K1 2	WN 18 / 3 / 1	
R 2407	1	Schichtwiderstand	10 kΩ / 5 % / 0,25 W / K1 2	WN 18 / 3 / 1	
R 2408	1	Schichtwiderstand	150 Ω / 5 % / 0,25 W / K1 2	WN 18 / 3 / 1	Serie ...1: 68 Ω
R 2409	1	Schichtwiderstand	75 Ω / 1 % / 0,33 W / K1 0,5	Lv. 18 / 1 / 3	
R 2410					
R 2411	1	Schichtwiderstand	10 Ω / 5 % / 0,25 W / K1 2	WN 18 / 3 / 1	
C 2401	1	Glimmer - Kondens.	2,2 nF / 1 % / 250 V -	Bf. 53 - 2	Jahre
C 2402	1	Kf. - Kondensator	10 nF / 20 % 630 V -	WN 110 / 3 / 7	
C 2403	1				
C 2404	1	Kf. - Kondensator	10 nF / 20 % / 630 V -	WN 110 / 3 / 7	
C 2405	1				
C 2406	1				
C 2407	1				
C 2408	1	Ker. - Kondensator	4,7 nF / +50 -20 % / 500 V -	WN 110 / 2 / 52	

Teil	Stck	Bezeichnung	Elektrische Werte	Bestellangaben Benennung	Hersteller, Anmerkgn
G1 2401	1	Diode		1 N 914 / 1 N 4448	
G1 2402	1	Diode		1 N 914 / 1 N 4448	
T 2401	1	Transistor		2 N 3251	
T 2402	1	Transistor		2 N 3251	
Ü 2401	1	Übertrager		Bv. 341 - 7764	
L 2401	1				
L 2402	1				
L 2403	1				
Bu 2401	1	Buchse		Uni 9 B .WN 119 / 9 / 4	BR 341/3 *)
Bu 2402	1	Buchse		Uni 9 B WN 119 / 9 / 4	BR 341/3 *)

*) in Sonderausführung anderer Wert oder entfällt

Trennstufen für Fremdsteuerung SPM-6
Buffer Stages for Remote Control BN 341/4 (24)

Teil	Stck	Bezeichnung	Elektrische Werte	Bestellangaben Benennung	Hersteller, Anmerkgn
R 2501					
R 2502					
R 2503	1	Schichtwiderstand	22 Ω / 5 % / 0,25 W / K1 2	M M 18 / 3 / 1	
R 2504	1	Schichtwiderstand	10 kΩ / 5 % / 0,25 W / K1 2	M M 18 / 3 / 1	
R 2505	1	Schichtwiderstand	470 Ω / 5 % / 0,25 W / K1 2	M M 18 / 3 / 1	
R 2506	1	Schichtwiderstand	64,8 kΩ / 1 % / 0,33 W / K1 0,5	Lv. 18 / 1 / 3	
R 2507	1	Schichtwiderstand	330 kΩ / 5 % / 0,25 W / K1 2	M M 18 / 3 / 1	
R 2508	1	Schichtwiderstand	120 kΩ / 5 % / 0,25 W / K1 2	M M 18 / 3 / 1	
R 2509	1	Schichtwiderstand	100 kΩ / 5 % / 0,25 W / K1 2	M M 18 / 3 / 1	
R 2510	1	Schichtwiderstand	100 kΩ / 5 % / 0,25 W / K1 2	M M 18 / 3 / 1	
R 2511	1	Schichtwiderstand	47 kΩ / 5 % / 0,25 W / K1 2	M M 18 / 3 / 1	
R 2512	1	Schichtwiderstand	270 kΩ / 5 % / 0,25 W / K1 2	M M 18 / 3 / 1	
R 2513	1	Schichtwiderstand	22 kΩ / 5 % / 0,25 W / K1 2	M M 18 / 3 / 1	
R 2514	1	Schichtwiderstand	100 kΩ / 5 % / 0,25 W / K1 2	M M 18 / 3 / 1	
R 2515	1	Schichtwiderstand	5,6 kΩ / 5 % / 0,25 W / K1 2	M M 18 / 3 / 1	
R 2516	1	Schichtwiderstand	8,2 kΩ / 5 % / 0,25 W / K1 2	M M 18 / 3 / 1	
R 2517	1	Schichtwiderstand	6,8 kΩ / 5 % / 0,25 W / K1 2	M M 18 / 3 / 1	
R 2518	1	Schichtwiderstand	10 kΩ / 5 % / 0,25 W / K1 2	M M 18 / 3 / 1	
R 2519	1	Schichtwiderstand	1 kΩ / 5 % / 0,25 W / K1 2	M M 18 / 3 / 1	
R 2520	1	Schichtwiderstand	2,7 kΩ / 1 % / 0,25 W / K1 0,5	Lv. 18 / 1 / 3	
R 2521	1	Schichtwiderstand	33 kΩ / 1 % / 0,33 W / K1 0,5	Lv. 18 / 1 / 3	
R 2522					
R 2523	1	Schichtwiderstand	15 kΩ / 1 % / 0,33 W / K1 0,5	Lv. 18 / 1 / 3	
R 2524	1	Metall - Schichtwiderstand	12 kΩ / 2 % / 150 mW	MEAC TK 25	Steinag
R 2525	1	Metall - Schichtwiderstand	18 kΩ / 2 % / 150 mW	MEAD TK 25	Steinag
R 2526	1	Schichtwiderstand	24 kΩ / 1 % / 0,33 W / K1 0,5	Lv. 18 / 1 / 3	
R 2527	1	Schichtwiderstand	8,2 kΩ / 1 % / 0,33 W / K1 0,5	Lv. 18 / 1 / 3	
R 2528					
R 2529	1	Schichtwiderstand	56 kΩ / 5 % / 0,25 W / K1 2	M M 18 / 3 / 1	
R 2530	1	Schichtwiderstand	33 kΩ / 5 % / 0,25 W / K1 2	M M 18 / 3 / 1	
R 2531	1	Schichtwiderstand	10 kΩ / 0,5% / 0,33W / K1 0,5	Lv. 18 / 1 / 3	
R 2532	1	Schichtwiderstand	10 kΩ / 0,5% / 0,33W / K1 0,5	Lv. 18 / 1 / 3	
R 2533	1	Schichtwiderstand	15 kΩ / 5 % / 0,25 W / K1 2	M M 18 / 3 / 1	
R 2534	1	Schichtwiderstand	120 kΩ / 5 % / 0,25 W / K1 2	M M 18 / 3 / 1	
R 2535	1	Schichtwiderstand	27 kΩ / 5 % / 0,25 W / K1 2	M M 18 / 3 / 1	
R 2536	1	Schichtwiderstand	27 kΩ / 5 % / 0,25 W / K1 2	M M 18 / 3 / 1	
R 2537	1	Schichtwiderstand	560 Ω / 5 % / 0,25 W / K1 2	M M 18 / 3 / 1	
R 2538	1	Schichtwiderstand	100 Ω / 5 % / 0,25 W / K1 2	M M 18 / 3 / 1	
R 2539	1	Schichtwiderstand	22 kΩ / 5 % / 0,25 W / K1 2	M M 18 / 3 / 1	
R 2540	1	Schichtwiderstand	10 kΩ / 5 % / 0,25 W / K1 2	M M 18 / 3 / 1	
R 2541	1	Schichtwiderstand	27 kΩ / 5 % / 0,25 W / K1 2	M M 18 / 3 / 1	
R 2542	1	Schichtwiderstand	470 Ω / 5 % / 0,25 W / K1 2	M M 18 / 3 / 1	
R 2543	1	Schichtwiderstand	4,7 kΩ / 5 % / 0,25 W / K1 2	M M 18 / 3 / 1	
R 2544	1	Schichtwiderstand	82 kΩ / 5 % / 0,25 W / K1 2	M M 18 / 3 / 1	
R 2545	1	Schichtwiderstand	150 Ω / 5 % / 0,25 W / K1 2	M M 18 / 3 / 1	
R 2546	1	Schichtwiderstand	10 kΩ / 5 % / 0,25 W / K1 2	M M 18 / 3 / 1	
R 2547	1	Schichtwiderstand	470 Ω / 5 % / 0,25 W / K1 2	M M 18 / 3 / 1	
R 2548	1	Schichtwiderstand	10 kΩ / 5 % / 0,25 W / K1 2	M M 18 / 3 / 1	
R 2549	1	Schichtwiderstand	27 kΩ / 5 % / 0,25 W / K1 2	M M 18 / 3 / 1	
R 2550	1	Schichtwiderstand	82 Ω / 5 % / 0,1 W / K1 2	M M 18 / 3 / 1	
R 2551	1	Schichtwiderstand	82 Ω / 5 % / 0,1 W / K1 2	M M 18 / 3 / 1	
R 2552	1	Schichtwiderstand	2,5 kΩ / 1 % / 0,33 W / K1 0,5	Lv. 18 / 1 / 3	
R 2553	1	Metall - Schichtwiderstand	33 kΩ / 1 % 150 mW	MEAC TK 50	Steinag
R 2554	1	Schichtwiderstand	1,8 kΩ / 5 % / 0,25 W / K1 2	MM 18 / 3 / 1	
R 2555	1	Schichtwid.	4,7 kΩ / 5 % / K1,2 / 0309	MM 18 / 3 / 1	
R 2556	1	Schichtwiderstand	120 Ω / 5 % / K1 2 / 0309	MM 18 / 3 / 1	Serie A...K: entfällt

Teil	Stck	Bezeichnung	Elektrische Werte	Bestellangaben Benennung	Hersteller, Anmerkgn
P 2501	1	Schichtdrehwiderst.	100 kΩ / 1 W / lin	1 W M 17 / 2 / 6	
P 2502	1	Spindelwiderstand	10 kΩ / 10 % / 0,7 W	W M 17 / 4 / 4	
P 2503	1	Spindelwiderstand	5 kΩ / 10 % / 0,7 W	W M 17 / 4 / 4	
P 2504	1	Spindelwiderstand	2 kΩ / 10 % / 0,7 W	W M 17 / 4 / 4	
P 2505	1	Schichtdrehwiderst.	1 kΩ / 1 W / lin	1 W M 17 / 2 / 6	
C 2501	1	Kf. - Kondensator	1 nF / 2 % / 160 V-	W M 110 / 3 / 1	
C 2502	1	Kf. - Kondensator	3,3 nF / 2,5 % / 160 V-	W M 110 / 3 / 1	
C 2503	1	Kf. - Kondensator	1 µF / 10 % / 100 V =	W M 110 / 3 / 6	
C 2504	1	Kf. - Kondensator	1 µF / 10 % / 100 V =	W M 110 / 3 / 6	
C 2505	1	Kf. - Kondensator	0,1 µF / 20 % / 100 V =	W M 110 / 3 / 7	
C 2506	1	Kf. - Kondensator	680 pF 2,5 % / 160 V =	W M 110 / 3 / 1	
C 2507	1	Kf. - Kondensator	10 nF / 20 % / 630 V =	W M 110 / 3 / 7	
C 2508	1	Kf. - Kondensator	4,7 nF / 20 % / 250 V--	W M 110 / 3 / 7	
C 2509	1	Elko	100 µF / 20 % / 30 V	ETAH 3 100 / 30	Ero-Tantal
C 2510	1	Elko	100 µF / 20 % / 30 V	ETAH 3 100 / 30	Ero-Tantal
C 2511	1	Ker - Kondensator	100 pF / 2 %	W M 110 / 2 / 3	
G1 2501					
G1 2502					
G1 2503					
G1 2504					
G1 2505	1	Diode	Uz = 9,0 V ± 5 % bei I_Z = 100 µA	ZPD 9,1 oder BZY 88 / C 9 V1	ITT Valve Serie ...L: ZP-Typ
G1 2506	1	Diode	Uz = 4,7 V ± 5 % bei I_Z = 250 µA	ZPD 4,7 oder BZY 88 / C 5 V 6	ITT Valve
G1 2507	1	Diode		1 N 914 / 1 N 4448	
G1 2508	1	Diode		M - CR 2225	SGS
G1 2509	1	Diode		1 N 914 / 1 N 4448	
G1 2510	1	Diode		1 N 914 / 1 N 4448	
G1 2511	1	Diode		M - CR 2225	SGS
G1 2512	1	Diode		M - CR 2225 Serie 1: teilweise MCR 2021	SGS
T 2501	1	Transistor		BCY 59 D	4)
T 2502	1	Transistor		BSY 78	
T 2503	1	Transistor		BSY 78	
T 2504	1	Transistor		DW 7154	
T 2505	1	Transistor		BDY 16 A	4)
T 2506	1	Transistor		BSY 78	
T 2507	1	Transistor		DW 7154	
T 2508	1	Transistor		BFY 81	
T 2509	1	Transistor		BCY 59 D	5)
T 2510	1	Transistor		BCY 59 D	5)
T 2511	1	Transistor		BFY 81	
T 2512	1	Transistor		BFY 81	
T 2513	1	Transistor		BCY 59 D	5)
T 2514	1	Transistor		DW 7154	
T 2515	1	Transistor		DW 7154	
T 2516	1	Transistor		BCY 59 D	5)
T 2517	1	Transistor		DW 7154	
T 2518	1	Transistor		2 N 2905	
T 2519	1	Transistor		BCY 54	
St 2501	1	G - Schaelzeinsatz	M 0,125 A	W M 115 / 2 / 1	

4) Serie D...M: BSY 80; 5) Serie A...M: BSY 80

Teil	Stck.	Bezeichnung	Elektrische Werte	Bestellangaben Benennung	Hersteller, Anmerkgn
R 2601	1	Schichtwiderstand	2,2 kΩ / 5 % / 0,25 W / KT 2	W M 18 / 3 / 1	
R 2602	1	Schichtwiderstand	2,7 kΩ / 5 % / 0,25 W / KT 2	W M 18 / 3 / 1	
R 2603	1	Schichtwiderstand	120 kΩ / 5 % / 0,25 W / KT 2	W M 18 / 3 / 1	
R 2604	1	Schichtwiderstand	68 kΩ / 5 % / 0,25 W / KT 2	W M 18 / 3 / 1	
R 2605	1	Schichtwiderstand	100 Ω / 5 % / 0,25 W / KT 2	W M 18 / 3 / 1	
R 2606	1	Schichtwiderstand	2,2 kΩ / 5 % / 0,25 W / KT 2	W M 18 / 3 / 1	
R 2607	1	Schichtwiderstand	1 kΩ / 5 % / 0,25 W / KT 2	W M 18 / 3 / 1	
R 2608	1	Schichtwiderstand	2,2 kΩ / 5 % / 0,25 W / KT 2	W M 18 / 3 / 1	
R 2609	1	Schichtwiderstand	220 Ω / 5 % / 0,25 W / KT 2	W M 18 / 3 / 1	
R 2610	1	Schichtwiderstand	68 kΩ / 5 % / 0,25 W / KT 2	W M 18 / 3 / 1	
R 2611	1	Schichtwiderstand	150 kΩ / 5 % / 0,25 W / KT 2	W M 18 / 3 / 1	
R 2612	1	Schichtwiderstand	68 kΩ / 5 % / 0,25 W / KT 2	W M 18 / 3 / 1	
R 2613	1	Schichtwiderstand	120 Ω / 5 % / 0,25 W / KT 2	W M 18 / 3 / 1	
R 2614	1	Schichtwiderstand	330 Ω / 5 % / 0,25 W / KT 2	W M 18 / 3 / 1	
R 2615	1	Schichtwiderstand	68 kΩ / 5 % / 0,25 W / KT 2	W M 18 / 3 / 1	
R 2616	1	Schichtwiderstand	120 Ω / 5 % / 0,25 W / KT 2	W M 18 / 3 / 1	
R 2617	1	Schichtwiderstand	330 Ω / 5 % / 0,25 W / KT 2	W M 18 / 3 / 1	
R 2618	1	Schichtwiderstand	100 Ω / 5 % / 0,25 W / KT 2	W M 18 / 3 / 1	
R 2619	1	Schichtwiderstand	120 kΩ / 5 % / 0,25 W / KT 2	W M 18 / 3 / 1	
R 2620	1	Schichtwiderstand	120 kΩ / 5 % / 0,25 W / KT 2	W M 18 / 3 / 1	
R 2623	1	Schichtwiderstand	47 kΩ / 5 % / 0,25 W / KT 2	W M 18 / 3 / 1	
R 2624	1	Schichtwiderstand	33 kΩ / 5 % / 0,25 W / KT 2	W M 18 / 3 / 1	
C 2601	1	Kf. - Kondensator	68 nF / 2 % / 100 V ~	W M 110 / 3 / 7	
C 2602	1	Kf. - Kondensator	27 nF / 2 % / 63 V ~	W M 110 / 3 / 3	
C 2603	1	Elko	22 µF / 20 % / 16 V ⎓	W M 110 / 5 / 61	
C 2604	1	Kf. - Kondensator	0,1 µF / 20 % / 100 V ~	W M 110 / 3 / 7	
C 2605	1	Kf. - Kondensator	47 nF / 2 % / 63 V ~	W M 110 / 3 / 3	
C 2606	1	Kf. - Kondensator	30 nF / 1 % / 63 V ~	W M 110 / 3 / 3	
C 2607	1	Kf. - Kondensator	0,1 µF / 20 % / 100 V ~	W M 110 / 3 / 7	
C 2608	1	Kf. - Kondensator	0,1 µF / 20 % / 100 V ~	W M 110 / 3 / 7	
C 2609	1	Kf. - Kondensator	0,1 µF / 20 % / 100 V ~	W M 110 / 3 / 7	
C 2610	1	Kf. - Kondensator	0,1 µF / 20 % / 100 V ~	W M 110 / 3 / 7	
C 2611	1	Kf. - Kondensator	30 nF / 1 % / 63 V ~	W M 110 / 3 / 3	
C 2612	1	Elko	10 µF / 20 % / 16 V ⎓	W M 110 / 5 / 61	
G1 2601	1	Diode		1 N 914 / 1 N 4448	
G1 2602	1	Diode		1 N 914 / 1 N 4448	
G1 2603	1	Diode		1 N 914 / 1 N 4448	
T 2601	1	Transistor		BCY 59 D	1)
T 2603	1	Transistor		BCY 59 D	1)
T 2604	1	Transistor		BCY 59 D	1)
T 2605	1	Transistor		BCY 59 D	1)
T 2606	1	Transistor		BCY 59 D	1)

1) Serie ...Nr. 6557 80

Teil	Stck.	Bezeichnung	Elektrische Werte	Bestellangaben Benennung	Hersteller, Anmerkgn
Bu 2601	1	Buchse	2 polig	T 3475	
Bu 2607	1	Buchse	7 polig	T 3475	Tuchel
S 2601	1	Schalter	3 x 4 Kontakte kurzschließend	Kontakte 7 µm hartvergoldet Typ 1703 k Achslg.: 20 mm	SEL (Intermetall)
S 2602	1	Schalter	3 x 4	enthalten in Bu 2607	
Ü 2601	1	Übertrager		Bv. 341 - 7768	
Ü 2602	1	Übertrager		Bv. 341 - 7750	
Ü 2603	1	Übertrager		Bv. 341 - 745	
L 2601	1	Spule		Bv. 341 - 7835.1.	

Teil	Stck	Bezeichnung	Bestellangaben Elektrische Werte	Benennung	Hersteller, Anmerkgn
R 2701	1	Schichtwiderstand	1 kΩ / 5 % / 0,25 W / KI 2	WN 18 / 3 / 1	
R 2702	1	Schichtwiderstand	1 kΩ / 5 % / 0,25 W / KI 2	WN 18 / 3 / 1	
R 2703	1	Schichtwiderstand	100 Ω / 5 % / 0,25 W / KI 2	WN 18 / 3 / 1	
R 2704	1	Metall - Schichtwiderstand	133 Ω / 1 % / 1 W / TK 100	MLA0	Steag
R 2705	1	Schichtwiderstand	470 Ω / 5 % / KI 2 / 0309	WN 18 / 3 / 1	
R 2706	1	Metall - Schichtwiderstand	72 Ω / 1 % / 1 W / TK 100	MLA0	Steag
R 2707	1	Drahtwiderstand	10 kΩ / 5 %	GDA 6,5 / 30	RIG
R 2708	1	Schichtwiderstand	82 Ω / 5 % / KI 2 / 0414	WN 18 / 3 / 1	3)
R 2709					3)
P 2701	1	Schichtdrahtwiderst.	250 Ω / 3 W / lin	Best. Nr. 2230 SB J-N-0 m. Schraubschlitz	Achsl.:12 mm Buchsl.:8 mm 4) Steag
C 2701	1	Papier-Kondensator	33 nF / 20 % / 1000 V -	WN 110 / 1 / 1	
C 2702	1	Elko	47 µF / +50 % -10 % / 250 V-	WN 110 / 5 / 20	6)
C 2703	1	Ker.-Kondensator	1 nF / +80 -20 %	WN 110 / 2 / 3	
G1 2701	1	Gleichrichter	B 125 / C 600 Si	Bevorzugter Lieferant: ITT Zweitlieferant : Nortron	8)
G1 2702	1	Diode	U_Z = 7,5V ±2 % bei I_Z = 5 m A	ZPD 7,5	Intermetall 7)
G1 2703	1	Diode	U_Z = 38 V ±3 % bei I_Z = 25 mA	ZL 39	Intermetall
G1 2704	1	Diode	1 N 4003 (1 N 4007)		9)
G1 2705	1	Diode	U_Z = 8,5V ±3% bei I_Z = 100 mA	ZL 8,2	Intermetall
T 2701	1	Transistor	2 N 3583		

3) Serie ...N 1: 1 SW 270 0/5 %/KI 2/0309/WN 18/3/1;

4) Serie ...N 1 : 1 kΩ 5) Serie ...N: 180 Ω, 1 teilweise 100 Ω. 6) Serie N u.1: 50 µF

7) Serie ... : ZF-Typ : Serie ...N: BI B 125/111 - 7,5 Si (mech.fnd.) : Serie ...N: SI [illegible]

Teil	Stck	Bezeichnung	Bestellangaben Elektrische Werte	Benennung	Hersteller, Anmerkgn
L 2701	1	Spule	160 µH / 0,3 A	B 82 501 - A - C 37	Siemens
L 2702	1	Spule	160 µH / 0,3 A	B 82 501 - A - C 37	Siemens
L 2703	1	Spule	5 µH / 10 A	B 82 501 - B - C 21	Siemens
Ü 2701	1	Übertrager		Bv. 341 - 7702	
St 2701	1	G-Schaltzeinsatz	T 0,8 B	WN 115 / 2 / 1	
St 2701	1	Stecker	3 polig, 6 A	N 6049-3 zu mit Lötanschluß Gehäuse Thermoplast	Fa. Heil
St 2702	1	Stecker	5 polig	WN 319 / 3 / 2	
S 2701	1	Schalter		Bv. 341 - 8002	341/1/2 *)
Bu 2701	1	Buchse		n. Zeichng. 341 - 7085.00 / 4	
Bu 2702	1	Buchse		1 WN 119 / 2 / 5	
J 2701	1	Instrument		Bv. 341 - 8111	
B 2701	6	Batterie		WN 112 / 1 / 1	
B 2706					

*) in Sonderausführung anderer Wert oder entfällt

Netzteil SPM-6
Power Supply BN 341/4 (27)

Teil	Stck	Bezeichnung	Bestellangaben Elektrische Werte	Benennung, Hersteller	zusätzlich	entfällt	Bemerkungen
C 525	1	Ker. Kond.				x	
C 525	1	Ker. Kond.	2 pF / ±0,25 pF	WK 110 / 2 / 3	x		
S 601	1	Schalter				x	
S 601	1	Schalter	17x 9x3 Kontakte (7 oberen kurzschließend DIN 41 634	V 42265-K 122- B 34	x		Achsl.:17 mm Siemens
G1 715	1	Diode		1 N 4448	x		
G1 716	1	Diode		1 N 4448	x		
G1 717	1	Diode		1 N 4448	x		
G1 718	1	Diode		1 N 4448	x		
G1 719	1	Diode		1 N 4448	x		
G1 720	1	Diode		1 N 4448	x		
G1 721	1	Diode		1 N 4448	x		
G1 722	1	Diode		1 N 4448	x		
G1 723	1	Diode		1 N 4448	x		
G1 724	1	Diode		1 N 4448	x		
P 832	1	Schichtdrahtwiderst.	500 kΩ / lin / 0,5 W	1 WN 17 / 2 / 8	x		
T 832	1	Transistor		BC 214	x		
R 910						x	
C 914						x	
R 931	1	Schichtwid.	6,2 MΩ/ 5% / KI.2/ 0414	WN 18 / 3 / 1	x		
R 916	1	Schichtwid.	1,2 MΩ/ 5% / KI.2/ 0309	WN 18 / 3 / 1	x		
R 941	1	Schichtwid.	220 kΩ/ 5% / KI 2/ 0309	WN 18 / 3 / 1	x		

Teil	Stck	Bezeichnung	Bestellangaben Elektrische Werte	Benennung, Hersteller	zusätzlich	entfällt	Bemerkungen
R 942	1	Schichtwid.	10 kΩ/5 %/KI. 2/0309	WN 18 / 3 / 1	x		
R 943	1	Schichtwid.	560 kΩ/5 %/KI. 2/0309	WN 18 / 3 / 1	x		
R 944	1	Schichtwid.	1 MΩ/5% /KI.2/0309	WN 18 / 3 / 1	x		
R 945	1	Schichtwid.	68 Ω/5% /KI.2/0309	WN 18 / 3 / 1	x		27)
C 901	1	Kf.-Kond.					
C 912	1	Kf - Kond.	5,8 µF / 5% / 100 V-	MKT 1813-568/0	x		
C 913	1	Kf - Kond.	0,33 µF / 10% / 100 V-	MKT 1822-433/0	x		
C 914	1	Kf - Kond.	1,5 µF / 10% / 100 V-	MKT 1822-515/0	x		
C 915	1	Kf - Kond.	1 µF / 10% / 100 V-	MKT 1822-510/0	x		1)
T 921	1	Transistor		BC 214	x		
T 922	1	Transistor		2 N 930	x		
S 932	1	Schalter		4 WN 13 / 5 / 2	x		
R 1302	1	Schichtwid.				x	
R 1303	1	Schichtwid.	25,7 kΩ/ 1% /KI. 0,5/0309	WN 18 / 1 / 3	x		
R 1304	1	Schichtwid.				x	
R 1305	1	Schichtwid.	1,5 kΩ/ 1% /KI.0,5 /0309	WN 18 / 1 / 3	x		
R 1306	1	Schichtwid.				x	
R 1307	1	Schichtwid.	25,7 kΩ/ 1% /KI. 0,5/0309	WN 18 / 1 / 3	x		
R 1308	1	Schichtwid.				x	
R 1309	1	Schichtwid.	1,5 kΩ/ 1% /KI. 0,5/0309	WN 18 / 1 / 3	x		
R 1310	1	Schichtwid.				x	
R 1311	1	Schichtwid.	25,7 kΩ/ 1% /KI. 0,5/0309	WN 18 / 1 / 3	x		
R 1312	1	Schichtwid.				x	
R 1313	1	Schichtwid.	1,5 kΩ/ 1% /KI. 0,5/0309	WN 18 / 1 / 3	x		
R 1314	1	Schichtwid.				x	
R 1315	1	Schichtwid.	1,5 kΩ/ 1% /KI. 0,5/0309	WN 18 / 1 / 3	x		
R 1316	1	Schichtwid.				x	
R 1317	1	Schichtwid.	3,74 kΩ/ 1% /KI. 0,5/0309	WN 18 / 1 / 3	x		

Serie N 1 u. N 2: 1) C 915 entfällt. 2) C 901/2,2 µF

Änderungen von Modifications from BN 341/4 in to BN 341/5 SPM-6

Fortsetzung (continued)

Teil	Stck	Bezeichnung	Bestellangaben: Elektrische Werte	Benennung, Hersteller	Zu-sätzlich	entfällt	Bemerkungen
C 1301	1	Scheibtrim.	1…6 pF / 5% / K1. 2 / 0309	WN 18 / 3 / 1	x		
C 1302	1	Scheibtrim.	150 pF / 5% / K1. 2 / 0309	WN 18 / 3 / 1	x		
C 1303	1	Scheibtrim.	100 pF / 5% / K1. 2 / 0309	WN 18 / 3 / 1	x		
C 1303	1	Trimmer				x	
C 1303	1	Trimmer	3 / 10 pF / N 033	WN 111 / 1 / 2	x		
C 1304	1	Ker. Kond.	Abgleichwert			x	
C 1305	1	Ker. Kond.	ca. 22 pF / 2% / N 150	WN 110 / 2 / 7	x		Abgleichwert
C 1306	1	Trimmer				x	
C 1307	1	Trimmer				x	
C 1308	1	Trimmer	3 / 10 pF / N 033	WN 111 / 1 / 2	x		
C 1309	1	Ker.Kond.	Abgleichwert			x	
C 1310	1	Ker. Kond.	ca. 22 pF / 2% / N 150	WN 110 / 2 / 7	x		
C 1311	1	Trimmer				x	
C 1312	1	Trimmer				x	
C 1313	1	Trimmer	3 / 10 pF / N 033	WN 111 / 1 / 2	x		
C 1314	1	Ker.Kond.	Abgleichwert			x	
C 1315	1	Ker. Kond.	ca. 22 pF / 2% / N 150	WN 110 / 2 / 7	x		
C 1316	1	Trimmer				x	
C 1401	1	Ker. Kond.	4,7 nF / +50-20% / 500 V-	WN 110 / 2 / 52	x		
C 1402	1	Ker. Kond.	4,7 nF / +50-20% / 500 V-	WN 110 / 2 / 52	x		
C 1403	1	Ker. Kond.	4,7 nF / +50-20% / 500 V-	WN 110 / 2 / 52	x		
C 1504	1	Drehspu		98 122 blau	x		
C 1505	1	Drehspu		98 122 blau	x		
C 1506	1	Drehspule		98 123 blau	x		

Teil	Stck	Bezeichnung	Bestellangaben: Elektrische Werte	Benennung, Hersteller	Zu-sätzlich	entfällt	Bemerkungen
L 1301	1	Quarz	nach Rahmen-Bv. 341 - 9700			x	
L 1302	1	Quarz				x	
L 1303	1	Quarz				x	
L 1501	1	Quarz	nach Sammel-Bv. 427 - 9701... -9799		x		*) bei Bedarf*)
L 1502	1	Quarz			x		
L 1503	1	Quarz			x		
S 1301	1	Schalter				x	
S 1302	1	Schalter		Bv. 341 - 8008	x		

Änderungen von Modifications from BN 341/4 in to BN 341/5 SPM-6

Teil	Stck	Bezeichnung	Bestellangaben: Elektrische Werte	Benennung	Hersteller, Anmerkgn
R 3001	1	Schichtwid.	270 kΩ / 5 % / K1. 2 / 0309	WN 18 / 3 / 1	
R 3002	1	Schichtwid.	47 kΩ / 5 % / K1. 2 / 0309	WN 18 / 3 / 1	
R 3003	1	Schichtwid.	39 kΩ / 5 % / K1. 2 / 0309	WN 18 / 3 / 1	
R 3004	1	Schichtwid.	6,8 kΩ / 5 % / K1. 2 / 0309	WN 18 / 3 / 1	
R 3005	1	Schichtwid.	22 kΩ / 5 % / K1. 2 / 0309	WN 18 / 3 / 1	
R 3006	1	Schichtwid.	220 kΩ / 5 % / K1. 2 / 0309	WN 18 / 3 / 1	
R 3007	1	Schichtwid.	220 kΩ / 5 % / K1. 2 / 0309	WN 18 / 3 / 1	
R 3008	1	Schichtwid.	27 kΩ / 5 % / K1. 2 / 0309	WN 18 / 3 / 1	
R 3009	1	Schichtwid.	27 kΩ / 5 % / K1. 2 / 0309	WN 18 / 3 / 1	
R 3010	1	Schichtwid.	6,8 kΩ / 5 % / K1. 2 / 0309	WN 18 / 3 / 1	
R 3011	1	Schichtwid.	22 kΩ / 5 % / K1. 2 / 0309	WN 18 / 3 / 1	
R 3012	1	Schichtwid.	68 kΩ / 5 % / K1. 2 / 0309	WN 18 / 3 / 1	
R 3013	1	Schichtwid.	390 kΩ / 5 % / K1. 2 / 0309	WN 18 / 3 / 1	
R 3014	1	Schichtwid.	12 kΩ / 5 % / K1. 2 / 0309	WN 18 / 3 / 1	
R 3015	1	Schichtwid.	270 kΩ / 5 % / K1. 2 / 0309	WN 18 / 3 / 1	
R 3016	1	Schichtwid.	10 kΩ / 5 % / K1. 2 / 0309	WN 18 / 3 / 1	
R 3017	1	Schichtwid.	68 Ω / 5 % / K1. 2 / 0309	WN 18 / 3 / 1	
R 3018	1	Schichtwid.	3,3 kΩ / 5 % / K1. 2 / 0309	WN 18 / 3 / 1	
R 3019	1	Schichtwid.	680 Ω / 5 % / K1. 2 / 0309	WN 18 / 3 / 1	
R 3020	1	Schichtwid.	1 MΩ / 5 % / K1. 2 / 0309	WN 18 / 3 / 1	
R 3021	1	Schichtwid.	680 kΩ / 5 % / K1. 2 / 0309	WN 18 / 3 / 1	
R 3022	1	Schichtwid.	390 kΩ / 5 % / K1. 2 / 0309	WN 18 / 3 / 1	
R 3023	1	Schichtwid.	680 Ω / 5 % / K1. 2 / 0309	WN 18 / 3 / 1	
R 3024	1	Schichtwid.	68 Ω / 5 % / K1. 2 / 0309	WN 18 / 3 / 1	
R 3025	1	Schichtwid.	220 kΩ / 5 % / K1. 2 / 0309	WN 18 / 3 / 1	

Teil	Stck	Bezeichnung	Bestellangaben: Elektrische Werte	Benennung	Hersteller, Anmerkgn
R 3026	1	Schichtwid.	820 Ω / 5 % / K1. 2 / 0309	WN 18 / 3 / 1	
R 3027	1	Schichtwid.	180 Ω / 5 % / K1. 2 / 0309	WN 18 / 3 / 1	
R 3033	1	Schichtwid.	100 kΩ / 5 % / K1. 2 / 0309	WN 18 / 3 / 1	
R 3034	1	Schichtwid.	150 kΩ / 5 % / K1. 2 / 0309	WN 18 / 3 / 1	
R 3035	1	Schichtwid.	560 kΩ / 5 % / K1. 2 / 0309	WN 18 / 3 / 1	
R 3036	1	Schichtwid.	560 kΩ / 5 % / K1. 2 / 0309	WN 18 / 3 / 1	
R 3037	1	Schichtwid.	5[illegible] kΩ / 5 % / K1. 2 / 0309	WN 18 / 3 / 1	
R 3038	1	Schichtwid.	560 kΩ / 5 % / K1. 2 / 0309	WN 18 / 3 / 1	
R 3039	1	Schichtwid.	22 kΩ / 5 % / K1. 2 / 0309	WN 18 / 3 / 1	
R 3040	1	Schichtwid.	100 kΩ / 5 % / K1. 2 / 0309	WN 18 / 3 / 1	
R 3041	1	Schichtwid.	12 kΩ / 5 % / K1. 2 / 0309	WN 18 / 3 / 1	
R 3042	1	Schichtwid.	100 Ω / 5 % / K1. 2 / 0309	WN 18 / 3 / 1	
R 3043	1	Schichtwid.	470 kΩ / 5 % / K1. 2 / 0309	WN 18 / 3 / 1	
R 3044	1	Schichtwid.	270 kΩ / 5 % / K1. 2 / 0309	WN 18 / 3 / 1	
R 3045	1	Schichtwid.	470 kΩ / 5 % / K1. 2 / 0309	WN 18 / 3 / 1	
R 3046	1	Schichtwid.	390 kΩ / 5 % / K1. 2 / 0309	WN 18 / 3 / 1	
R 3047	1	Schichtwid.	220 kΩ / 5 % / K1. 2 / 0309	WN 18 / 3 / 1	
R 3048	1	Schichtwid.	267 kΩ / 1 % / K1.0,5 / 0309	WN 18 / 1 / 3	1]
R 3049	1	Schichtwid.	267 kΩ / 1 % / K1.0,5 / 0309	WN 18 / 1 / 3	1]
R 3050	1	Schichtwid.	61 kΩ / 1 % / K1.[illegible] / 0411	EC4 0411	RIG

1] Serie B w[illegible] 2[illegible] 270 kΩ/5 %/K1 2/0309 ab 13/321

Teil	Stck	Bezeichnung	Elektrische Werte	Bestellangaben / Benennung	Hersteller, Anmerkgn
R 3051	1	Schichtwid.	562 kΩ / 1 % / K1.0,5 / 0411	LCA 0411	R16
R 3052	1	Schichtwid.	100 kΩ / 5 % / K1. 2 / 0309	WN 18 / 3 / 1	
R 3053	1	Schichtwid.	470 kΩ / 5 % / K1. 2 / 0309	WN 18 / 3 / 1	
R 305A	1	Schichtwid.	8,2 kΩ / 5 % / K1. 2 / 0309	WN 18 / 3 / 1	
R 3055	1	Schichtwid.	68 Ω / 5 % / K1. 2 / 0309	WN 18 / 3 / 1	
R 3056	1	Schichtwid.	18,2 kΩ / 1 % / K1.0,5 / 0309	WN 18 / 1 / 3	Serie N u. I: 18 kΩ / 5 % / K1.2 / 0309 / WN 18/3/1
R 3057	1	Schichtwid.	18,2 kΩ / 1 % / K1.0,5 / 0309	WN 18 / 1 / 3	
R 3058	1	Schichtwid.	150 kΩ / 1 % / K1.0,5 /0309	WN 18 / 1 / 3	
R 3059	1	Schichtwid.	1 MΩ / 5 % / K1. 2 / 0309	WN 18 / 3 / 1	
R 3060	1	Schichtwid.	1 MΩ / 5 % / K1. 2 / 0309	WN 18 / 3 / 1	
R 3061	1	Schichtwid.	390 kΩ / 5 % / K1. 2 / 0309	WN 18 / 3 / 1	
R 3062	1	Schichtwid.	1,8 MΩ / 5 % / K1. 2 / 0309	WN 18 / 3 / 1	
R 3063	1	Schichtwid.	255 kΩ / 1 % / K1.0,5 / 0309	WN 18 / 1 / 3	
R 3064	1	Schichtwid.	68 Ω / 5 % / K1. 2 / 0309	WN 18 / 3 / 1	
R 3065	1	Schichtwid.	10 kΩ / 5 % / K1. 2 / 0309	WN 18 / 3 / 1	
R 3066	1	Schichtwid.	680 kΩ / 5 % / K1. 2 / 0309	WN 18 / 3 / 1	
R 3067	1	Schichtwid.	220 kΩ / 5 % / K1. 2 / 0309	WN 18 / 3 / 1	
R 3068	1	Schichtwid.	27 kΩ / 5 % / K1. 2 / 0309	WN 18 / 3 / 1	
R 3069					
R 3070	1	Schichtwid.	560 Ω / 5 % / K1. 2 / 0309	WN 18 / 3 / 1	
R 3071	1	Schichtwid.	22 Ω / 5 % / K1. 2 / 0309	WN 18 / 3 / 1	
P 3001	1	Schichtdrehwid.	25 kΩ / lin / 0,5 W	1 WN 17 / 2 / 8	
P 3002	1	Schichtdrehwid.	2,5 kΩ / lin / 0,5 W	1 WN 17 / 2 / 8	
P 3003	1	Schichtdrehwid.	2,5 kΩ / lin / 0,5 W	2 WN 17 / 2 / 8	
C 3001	1	Ker. Kond.	1 nF / +80 -20 %	WN 110 / 2 / 3	
C 3002	1	Ker. Kond.	47 pF / 2 %	WN 110 / 2 / 3	
C 3003	1	Elko	22 µF / 20 % / 16 V -	WN 110 / 5 / 61	
C 3004	1	Ker. Kond.	47 pF / 2 %	WN 110 / 2 / 3	
C 3005	1	Ker. Kond.	22 pF / 2 %	WN 110 / 2 / 3	
C 3006	1	Ker. Kond.	22 pF / 2 %	WN 110 / 2 / 3	
C 3007	1	Elko	22 µF / 20 % / 16 V -	WN 110 / 5 / 61	
C 3008	1	Elko	22 µF / 20 % / 16 V -	WN 110 / 5 / 61	
C 3009	1	Elko	22 µF / 20 % / 16 V -	WN 110 / 5 / 61	
C 3010	1	Kf - Kond.	0,1 µF / 20 % / 100 V -	WN 110 / 3 / 7	
C 3011	1	Kf - Kond.	0,22 µF / 20 % / 100 V -	WN 110 / 3 / 7	
C 3012	1	Elko	22 µF / 20 % / 16 V -	WN 110 / 5 / 61	
C 3013	1	Ker. Kond.	1 nF / +80 -20 %	WN 110 / 2 / 3	
C 3014	1	Elko	3,3 µF / 20 % / 16 V -	WN 110 / 5 / 61	
C 3017	1	Kf - Kond.	10 nF / 20 % / 630 V -	WN 110 / 3 / 7	
C 3018	1	Kf - Kond.	10 µF / 10 % / 100 V -	WN 110 / 3 / 6	
C 3019	1	Kf - Kond.	270 pF / 2,5 % / 160 V -	WN 110 / 3 / 1	
C 3020	1	Elko	22 µF / 20 % / 16 V -	WN 110 / 5 / 61	
C 3021	1	Elko	22 µF / 20 % / 16 V -	WN 110 / 5 / 61	

Teil	Stck	Bezeichnung	Elektrische Werte	Bestellangaben / Benennung	Hersteller, Anmerkgn
T 3001	1	Transistor		DN 7154	
T 3002	1	Transistor		BCY 59 D	
T 3003	1	Transistor		BSX 93	
T 3004	1	Transistor		BSX 93	
T 3005	1	Transistor		BCY 78 D	
T 3006	1	Transistor		BCY 59 D	
T 3007	1	Transistor		BCY 59 D	
T 3008	1	Transistor		BCY 59 D	
T 3009	1	Transistor		2 N 930	
T 3010	1	Transistor		BCY 59 D	
T 3014	1	Transistor		E 102	
T 3015	1	Transistor		2 N 930	
T 3016	1	Transistor		2 N 930	
T 3017	1	Transistor		DN 7154	
T 3018	1	Transistor		DN 7154	
T 3019	1	Transistor		2 N 930	
T 3020	1	Transistor		2 N 930	
T 3021	1	Transistor		2 N 930	
T 3022	1	Transistor		DN 7154	
T 3023	1	Transistor		DN 7154	
T 3024	1	Transistor		DN 7154	
T 3025	1	Transistor		DN 7154	
T 3026	1	Transistor		DN 7154	
G1 3001	1	Diode		1 N 4448	
G1 3002	1	Diode		1 N 4448	
G1 3003	1	Diode		1 N 4448	
G1 3004	1	Diode		1 N 4448	
G1 3005	1	Diode		1 N 4448	
G1 3006	1	Diode		1 N 4448	
G1 3007	1	Diode		1 N 4448	
G1 3008	1	Diode		1 N 4448	
G1 3013	1	Diode		1 N 4448	
G1 3014	1	Diode		1 N 4448	
G1 3015	1	Diode		1 N 4448	
G1 3016	1	Diode		1 N 4448	
G1 3017	1	Diode		1 N 4448	
G1 3018	1	Diode		1 N 4448	
G1 3019	1	Diode		1 N 4448	
G1 3020	1	Diode		1 N 4448	
G1 3021	1	Diode		1 N 4448	
	1	Rohrkern	8 x 4 x 30	B 62130 - A 3218 - X 025	Siemens
Bu 3001	1	Buchse		2 WN 119 / 8 / 1	
St 3001	1	Stecker		WN 119 / 8 / 1	

Teil	Stck	Bezeichnung	Bestellangaben Elektrische Werte	Benennung	Hersteller, Anmerkgn
R 3101	1	Schichtwid.	137 kΩ / 1 % / M1,0,5 / 0309	WN 18 / 1 / 3	
R 3102	1	Schichtwid.	100 kΩ / 5 % / M1. 2 / 0309	WN 18 / 3 / 1	
R 3104	1	Schichtwid.	56 kΩ / 5 % / M1. 2 / 0309	WN 18 / 3 / 1	
R 3106	1	Schichtwid.	39 kΩ / 5 % / M1. 2 / 0309	WN 18 / 3 / 1	
R 3107	1	Schichtwid.	2,2 MΩ / 5 % / M1. 2 / 0309	WN 18 / 3 / 1	
R 3108	1	Schichtwid.	56 kΩ / 5 % / M1. 2 / 0309	WN 18 / 3 / 1	
R 3109	1	Schichtwid.	137 kΩ / 1 % / M1,0,5 / 0309	WN 18 / 1 / 3	
R 3110	1	Schichtwid.	100 kΩ / 5 % / M1. 2 / 0309	WN 18 / 3 / 1	
R 3112	1	Schichtwid.	56 kΩ / 5 % / M1. 2 / 0309	WN 18 / 3 / 1	
R 3114	1	Schichtwid.	39 kΩ / 5 % / M1. 2 / 0309	WN 18 / 3 / 1	
R 3115	1	Schichtwid.	2,2 MΩ / 5 % / M1. 2 / 0309	WN 18 / 3 / 1	
R 3116	1	Schichtwid.	137 kΩ / 1 % / M1,0,5 / 0309	WN 18 / 1 / 3	
R 3117	1	Schichtwid.	100 kΩ / 5 % / M1. 2 / 0309	WN 18 / 3 / 1	
R 3119	1	Schichtwid.	56 kΩ / 5 % / M1. 2 / 0309	WN 18 / 3 / 1	
R					
R 3121	1	Schichtwid.	39 kΩ / 5 % / M1. 2 / 0309	WN 18 / 3 / 1	
R 3122	1	Schichtwid.	2,2 MΩ / 5 % / M1. 2 / 0309	WN 18 / 3 / 1	
R 3123	1	Schichtwid.	100 Ω / 5 % / M1. 2 / 0309	WN 18 / 3 / 1	
R 3124	1	Schichtwid.	100 Ω / 5 % / M1. 2 / 0309	WN 18 / 3 / 1	
R 3125	1	Schichtwid.	100 kΩ / 5 % / M1. 2 / 0309	WN 18 / 3 / 1	
R 3126	1	Schichtwid.	27 kΩ / 5 % / M1. 2 / 0309	WN 18 / 3 / 1	
R 3127	1	Schichtwid.	47 kΩ / 5 % / M1. 2 / 0309	WN 18 / 3 / 1	
R 3128	1	Schichtwid.	220 kΩ / 5 % / M1. 2 / 0309	WN 18 / 3 / 1	
R 3129	1	Schichtwid.	680 kΩ / 5 % / M1. 2 / 0309	WN 18 / 3 / 1	
R 3130	1	Schichtwid.	270 kΩ / 5 % / M1. 2 / 0309	WN 18 / 3 / 1	
R 3131	1	Schichtwid.	270 kΩ / 5 % / M1. 2 / 0309	WN 18 / 3 / 1	
R 3132	1	Schichtwid.	120 kΩ / 5 % / M1. 2 / 0309	WN 18 / 3 / 1	
R 3133	1	Schichtwid.	120 kΩ / 5 % / M1. 2 / 0309	WN 18 / 3 / 1	
R 3134	1	Schichtwid.	1 MΩ / 5 % / M1. 2 / 0309	WN 18 / 3 / 1	
R 3135	1	Schichtwid.	680 kΩ / 5 % / M1. 2 / 0309	WN 18 / 3 / 1	
R 3136	1	Schichtwid.	270 kΩ / 5 % / M1. 2 / 0309	WN 18 / 3 / 1	
R 3137	1	Schichtwid.	82 kΩ / 5 % / M1. 2 / 0309	WN 18 / 3 / 1	
R 3138	1	Schichtwid.	56,2 kΩ / 1 % / M1.0,5 / 0309	WN 18 / 1 / 3	
R 3139	1	Schichtwid.	191 kΩ / 1 % / M1.0,5 / 0309	WN 18 / 1 / 3	
R 3140	1	Schichtwid.	475 kΩ / 1 % / M1.0,5 / 0309	WN 18 / 1 / 3	
R 3141	1	Schichtwid.	560 kΩ / 5 % / M1. 2 / 0309	WN 18 / 3 / 1	
R 3142	1	Schichtwid.	56 kΩ / 5 % / M1. 2 / 0309	WN 18 / 3 / 1	
R 3143	1	Schichtwid.	68 Ω / 5 % / M1. 2 / 0309	WN 18 / 3 / 1	
R 3144	1	Schichtwid.	12 kΩ / 5 % / M1. 2 / 0309	WN 18 / 3 / 1	
R 3145	1	Schichtwid.	1 kΩ / 5 % / M1. 2 / 0309	WN 18 / 3 / 1	
R 3146	1	Schichtwid.	68 Ω / 5 % / M1. 2 / 0309	WN 18 / 3 / 1	
R 3147	1	Schichtwid.	330 kΩ / 5 % / M1. 2 / 0309	WN 18 / 3 / 1	
R 3148	1	Schichtwid.			
R 3149	1	Schichtwid.	150 kΩ / 5 % / M1. 2 / 0309	WN 18 / 3 / 1	
R 3150	1	Schichtwid.	1 MΩ / 5 % / M1. 2 / 0309	WN 18 / 3 / 1	

Teil	Stck	Bezeichnung	Bestellangaben Elektrische Werte	Benennung	Hersteller, Anmerkgn
R 3151	1	Schichtwid.	820 kΩ / 5 % / M1. 2 / 0309	WN 18 / 3 / 1	
R 3152	1	Schichtwid.	270 kΩ / 5 % / M1. 2 / 0309	WN 18 / 3 / 1	
R 3153	1	Schichtwid.	ca. 47 kΩ	WN 18 / 3 / 1	Abgleichwert
R 3154	1	Schichtwid.	1 MΩ / 5 % / M1. 2 / 0309	WN 18 / 3 / 1	
R 3155	1	Schichtwid.	249 kΩ / 1 % / M1,0,5 / 0309	WN 18 / 1 / 3	
R 3160	1	Schichtwid.	604 Ω / 1 % / M1.0,5 / 0309	WN 18 / 1 / 3	
R 3161	1	Schichtwid.	68 kΩ / 5 % / M1. 2 / 0309	WN 18 / 3 / 1	
R 3162	1	Schichtwid.	3,9 kΩ / 5 % / M1. 2 / 0309	WN 18 / 3 / 1	
R 3163	1	Schichtwid.	255 Ω / 1 % / M1.0,5 / 0309	WN 18 / 1 / 3	
R 3164	1	Schichtwid.	100 kΩ / 5 % / M1. 2 / 0309	WN 18 / 3 / 1	
R 3165	1	Schichtwid.	604 Ω / 1 % / M1.0,5 / 0309	WN 18 / 1 / 3	
R 3166	1	Schichtwid.	1 kΩ / 5 % / M1. 2 / 0309	WN 18 / 3 / 1	
R 3167	1	Schichtwid.	470 kΩ / 5 % / M1. 2 / 0309	WN 18 / 3 / 1	
R 3168	1	Schichtwid.	1 MΩ / 5 % / M1. 2 / 0309	WN 18 / 3 / 1	
R 3169	1	Schichtwid.	56 kΩ / 5 % / M1. 2 / 0309	WN 18 / 3 / 1	
R 3170	1	Schichtwid.	56 kΩ / 5 % / M1. 2 / 0309	WN 18 / 3 / 1	
R 3171	1	Schichtwid.	1 MΩ / 5 % / M1. 2 / 0309	WN 18 / 3 / 1	
R 3172	1	Schichtwid.	220 kΩ / 5 % / M1. 2 / 0309	WN 18 / 3 / 1	
R 3173	1	Schichtwid.	220 kΩ / 5 % / M1. 2 / 0309	WN 18 / 3 / 1	
R 3174	1	Schichtwid.	470 kΩ / 5 % / M1. 2 / 0309	WN 18 / 3 / 1	
R 3175	1	Schichtwid.	220 kΩ / 5 % / M1. 2 / 0309	WN 18 / 3 / 1	
R 3176	1	Schichtwid.	470 kΩ / 5 % / M1. 2 / 0309	WN 18 / 3 / 1	
R 3177	1	Schichtwid.	470 kΩ / 5 % / M1. 2 / 0309	WN 18 / 3 / 1	
P 3101	1	Schichtdrahtwid.	100 kΩ / 1 % / 0,5 W	2 WN 17 / 2 / 8	
P 3102	1	Schichtdrahtwid.	100 kΩ / 1 % / 0,5 W	2 WN 17 / 2 / 8	
P 3103	1	Schichtdrahtwid.	100 kΩ / 1 % / 0,5 W	2 WN 17 / 2 / 8	
P 3104	1	Schichtdrahtwid.	100 kΩ / 1 % / 0,5 W	2 WN 17 / 2 / 8	
P 3105	1	Schichtdrahtwid.	100 kΩ / 1 % / 0,5 W	2 WN 17 / 2 / 8	
P 3106	1	Schichtdrahtwid.	100 kΩ / 1 % / 0,5 W	2 WN 17 / 2 / 8	
P 3107	1	Schichtdrahtwid.	100 kΩ / 1 % / 0,5 W	1 WN 17 / 2 / 8	
P 3108	1	Schichtdrahtwid.	100 kΩ / 1 % / 0,5 W	1 WN 17 / 2 / 8	
G1 3101	1	Diode		1 N 4448	
G1 3102	1	Diode		1 N 4448	
G1 3103	1	Diode		1 N 4448	
G1 3104	1	Diode		1 N 4448	
G1 3105	1	Diode		1 N 4448	
G1 3106	1	Diode		1 N 4448	
G1 3107	1	Diode		1 N 4448	
G1 3108	1	Diode		1 N 4448	
G1 3109	1	Diode		1 N 4448	
G1 3110	1	Diode		1 N 4448	
G1 3111	1	Diode		1 N 4448	
G1 3112	1	Diode		1 N 4448	

Fortsetzung (continued)

Teil	Stck	Bezeichnung	Elektrische Werte	Bestellangaben Benennung	Hersteller, Anmerkgn
C 3101	1	Elko	10 µF / 20 % / 25 V -	WN 110 / 5 / 61	
C 3102	1	Elko	22 nF / 20 % / 16 V -	WN 110 / 5 / 61	
C 3103	1	Elko	22 µF / 20 % / 16 V -	WN 110 / 5 / 61	
C 3104	1	Ker. Kond.	1 nF / +50 -20 %	WN 110 / 2 / 4	
C 3105	1	Kf - Kond.	0,22 µF / 10 % / 100 V -	MKT 1822 - 422 / 0	
C 3106	1	Kf - Kond.	10 nF / 10 % / 100 V -	WN 110 / 3 / 6	
C 3110	1	Ker. Kond.	1 nF / +50 - 20 %	WN 110 / 2 / 4	
C 3111	1	Kf - Kond.	0,1 µF / 20 % / 100 V -	WN 110 / 3 / 7	
C 3112	1	Kf - Kond.	0,1 µF / 20 % / 100 V -	WN 110 / 3 / 7	
C 3113	1	Elko	6,8 µF / 20 % / 35 V -	WN 110 / 5 / 61	
C 3114	1	Ker. Kond.	4,7 nF / +50 -20 %	WN 110 / 2 / 4	
C 3115	1	Kf - Kond.	0,22 µF / 10 % / 100 V -	MKT 1822 - 422 / 0	
Ft 3101	1	Filter		Bv. 341 - 9201	
Bu 3101	1	Buchse		Mab 6100	Hirschmann
St 3101	1	Stecker		Mas 6100	Hirschmann

Teil	Stck	Bezeichnung	Elektrische Werte	Bestellangaben Benennung	Hersteller, Anmerkgn
T 3101	1	Transistor		OW 7154	
T 3102	1	Transistor		2 N 930	
T 3103	1	Transistor		OW 7154	
T 3104	1	Transistor		2 N 930	
T 3105	1	Transistor		OW 7154	
T 3106	1	Transistor		2 N 930	
T 3107	1	Transistor		2 N 930	
T 3108	1	Transistor		2 N 930	
T 3109	1	Transistor		2 N 930	
T 3110	1	Transistor		2 N 930	
T 3111	1	Transistor		OW 7154	
T 3112	1	Transistor		OW 7154	
T 3113	1	Transistor		E 102	
T 3114	1	Transistor		2 N 930	
T 3115	1	Transistor		OW 7154	
T 3116	1	Transistor		2 N 930	
T 3117	1	Transistor		2 N 930	
T 3120	1	Transistor		BCY 59 D	
T 3121	1	Transistor		2 N 930	
T 3122	1	Transistor		2 N 930	
T 3123	1	Transistor		OW 7154	

Ziehbereichbegrenzung, Suchschaltung SPM-6
Pulling Range Limiter, Search Circuit BN 341/5 (31)

Teil	Stck	Benennung	Soch - Nummer	zu-sätzlich	entfällt	Bemerkungen
R 103					x	
R 104					x	
R 107					x	
P 108					x	
R 109					x	
R 117					x	
R 118					x	
P 119					x	
R 121					x	
R 122					x	
R 123					x	
P 125					x	
P 127					x	
R 129					x	
R 130					x	
P 131					x	
R 132					x	
R 134					x	2)
R 136	1	Schichtwiderstand	47 Ω / 5 % / 0,25 W / Kl. 2	x		WN 18 / 3 / 1 1)
R 136				x		2)
P 137				x		2)
R 137	1	Schichtwiderstand	150 Ω / 5 % / 0,25 W / Kl. 2	x		WN 18 / 3 / 1 1)
R 161	1	Schichtwiderstand WN 18/1/3	1,95 kΩ / 1 % / 0,25 W / Kl 0,5	x		
R 162	1	Schichtwiderstand WN 18/1/3	2,2 kΩ / 1 % / 0,25 W / Kl 0,5	x		
R 163	1	Schichtwiderstand APRC 1/4	1,7 Ω / 1 % / 0,25 W / Kl 0,5	x		Electronic
R 164	1	Schichtwiderstand WN 18/1/3	4,7 Ω / 1 % / Kl 0,5 / LCA 0309	x		
R 165	1	Schichtwiderstand WN 18/3/1	10 kΩ / 5 % / 0,25 W / Kl 2	x		
R 166	1	Metall-Schichtwiderstand MFE 1413	152,28 Ω / 0,1 % / 0,8 W	x		RIG
P 167	1	Metall-Schichtwiderstand MFE 1413	152,28 Ω / 0,1 % / 0,8 W	x		RIG
R 171	1	Schichtwiderstand	1,8 kΩ / 5 % / 0,25 W / Kl 2	x		WN 18 / 3 / 1 1)

Serie ...P: 1) entfällt 2) wie Normalausführung

Teil	Stck	Benennung	Soch - Nummer	zu-sätzlich	entfällt	Bemerkungen
R 172	1	Schichtwiderstand	33 kΩ / 5 % / 0,25 W / Kl 2	x		WN 18/3/1 1)
R 173	1	Schichtwiderstand	33 Ω / 5 % / 0,25 W / Kl 2	x		WN 18/3/1 1)
P 174	1	Schichtwiderstand	22 kΩ / 5 % / 0,25 W / Kl 2	x		WN 18/3/1 1)
R 175	1	Schichtwiderstand	47 Ω / 5 % / 0,25 W / Kl 2	x		WN 18/3/1 1)
R 935					x	2)
P 935	1	Schichtwiderstand	4,12 kΩ / 1 % / Kl 0,5 / 0309	x		1)
R 938					x	2)
R 938	1	Schichtwiderstand	21 kΩ / 1 % / Kl 0,5 / 0309	x		1)
Ü 101	1	Übertrager			x	
Ü 101	1	Übertrager	Bv. 341 - 7763	x		
Ü 102	1	Übertrager	Bv. 341 - 7762	x		
C 102					x	
C 106					x	
C 107					x	
C 108					x	
C 112					x	
C 113					x	
C 114					x	
C 115					x	
C 116					x	
C 118					x	
C 120					x	2)
C 120	1	Trimmer	4,5...20 pF / N 750 / 7 S-Triko 06	x		Stettner 1)
C 122					x	2)
C 136					x	
C 137					x	

Serie ...P: 1) entfällt. 2) wie Normalausf.

Änderungen von BN 341/4 in BN 341/2 SPM-6
Modifications from to

Teil	Stck	Benennung	Sach-Nummer	zu-sätzlich	entfällt	Bemerkungen
C 141	1	Kf.-Kondensator B 32 110-E 9106-M	10 µF / 20 % / 63 V -	x		Siemens
C 142	1	Kf.-Kondensator B 32 110-E 9106-M	10 µF / 20 % / 63 V -	x		Siemens
C 143	1	Kf.-Kondensator B 32 110-E 9105-M	1 µF / 20 % / 63 V -	x		Siemens
C 144	1	Kf.-Kondensator B 32 110-M 9105-M	1 µF / 20 % / 63 V -	x		Siemens
C 145	1	Ker.-Kondensator WN 110 / 2 / 3	100 pF / 2 % / 500 V -	x		Abgleichwert
C 146	1	Ker.-Kondensator N 150/18 9d 3x10 Ki	10 pF / 2 % / 500 V -	x		Abgleichwert bei Bedarf im Prüffeld
C 147	1	Glimmer-Kondens. Bf. 53-I	560 pF / 1 % / 250 V -			Jahre
C 148	1	Trimmer WN 111 / 1 / 2	10 / 40 pF / N 750	x		
C 149	1	Ker.-Kondensator WN 110 / 2 / 3	22 pF / 2 % / 500 V -	x		
C 150	1	Kf.-Kondensator MKT 1813 - 422 / 0	0,22 µF / 10 % / 100 V -	x		ERO
C 150	1	Kf.-Kondensator MKT 1813 - 433 / 0	0,33 µF / 10 % / 100 V -	x		ERo x)
C 151	1	Kf.-Kondensator MKT 1813 - 410 / 0	0,1 µF / 20 % / 100 V -	x		ERO
C 152	1	Trimmer WN 111 / 1 / 2	10 / 40 pF / K 750	x		
C 153	1	Ker.-Kondensator WN 110 / 2 / 3	ca. 2 pF / ± 0,5 pF / 500 V -	x		Abgleichwert bei Bedarf im Prüffeld
C 154	1	Ker.-Kondensator WN 110 / 2 / 3	ca. 2 pF / ± 0,5 pF / 500 V -	x		Abgleichwert bei Bedarf im Prüffeld
C 155						2)
C 166	1	Ker.-Kondensator WN 110 / 2 / 3		x		Abgleichwert bei Bedarf im Prüffeld einsetzen.
C 167	1	Ker.-Kondensator WN 110 / 2 / 3		x		
C 168	1	Kf.-Kondensator	0,22 µF / 20 % / 100 V	x		WN 110/3/7 3)
C 169	1	Kf.-Kondensator	10 nF / 20 % / 630 V	x		WN 110/3/7 3)
C 170	1	Kf.-Kondensator	22 nF / 20 % / 400 V	x		WN 110/3/7 3)
C 171	1	Ker.-Kondensator	15 pF / 5 % / N 150	x		WN 110/2/3 3)
J Z701					x	
J Z701				x		
L 101	1	Spule			x	
L 101	1	Spule	Bv. 341 - 7878.1	x		4)
L 103	1	Spule			x	
L 109	1	Spule	0,15 µH No. 1537 - 00	x		Delevan
L 110	1	Spule	2,2 µH No. 1537 - 20	x		Delevan 3)
L 111	1	Spule	2,2 µH No. 1537 - 20	x		Delevan 3)
L 112	1	Spule	2,2 µH No. 1537 - 20	x		Delevan 3)

x) Der erforderliche Wert richtet sich nach dem L-Wert von Ü 102: für ≈2 mH: 0,22 µF, für > : 0,33 µF;
Serie ...H: 2) 1 Trimmer R-Trika 109-01 M/1...5 pF/M075 3) entfällt 4) Bv. 341-7878

Teil	Stck	Benennung	Sach-Nummer	zu-sätzlich	entfällt	Bemerkungen
L 113	1	Spule	2,7 µH No. 1537 - 20	x		Delevan 1)
Bu 101	1	Buchse			x	
Bu 101	1	Buchse	Typ 216 F (Bell-System)	x		Western-Electric
Bu 102	1	Buchse			x	
Bu 102	1	Buchse	Typ 216 F (Bell-System)	x		Western-Electric
Bu 103	1	Buchse Typ 470 C (Bell-System) bearbeitet n. Zchng. 341-0352.03/5		x		Western-Electric
Bu 104	1	Buchse Typ 470 C (Bell-System) bearbeitet n. Zchng. 341-0352.03/5		x		Western-Electric
Bu 105	1	Buchse Typ 470 C (Bell-System) bearbeitet n. Zchng. 341-0352.03/5		x		Western-Electric
Rel 101	1	Relais			x	2)
Rel 101	1	Relais	Bv. 341 - 8209	x		1)
Rel 102	1	Relais			x	2)
Rel 102	1	Relais	RHD - 12 V	x		National 1)
Rel 103	1	Relais			x	2)
Rel 103	1	Relais	RHD - 12 V	x		National 1)
Rel 108	1	Relais			x	2)
Rel 109	1	Relais			x	2)
Gl 103	1				x	2)
S 101	1	Schalter			x	
S 101	1	Schalter Typ 1703 k Achsl.: 20 mm	3 x4 Kontakte 7 µm hartvergoldet	x		SEL
S 102					x	
T 103	1	Transistor	BCY 59 B	x		1)
Gl 101	1				x	2)
Gl 102	1				x	2)

Serie ...H: 1) entfällt 2) wie Normalausf.

Änderungen von BN 341/4 in BN 341/2 SPM-6
Modifications from to

Teil	Stck	Benennung	Sach-Nummer	zu-sätzlich	entfällt	Bemerkungen
R 103					x	
R 104					x	
R 107					x	
R 108					x	
R 109					x	
R 117					x	
R 118					x	
R 119					x	
R 121					x	
R 122					x	
R 123					x	
R 125					x	
R 127					x	
R 129					x	
R 130					x	
R 131					x	
R 132					x	
R 134					x	2)
R 134	1	Schichtwiderstand	47 Ω / 5 % / 0,25 W / KI 2	x		WN 18/3/1 1)
R 136					x	2)
R 137					x	2)
R 137	1	Schichtwiderstand	150 Ω / 5 % / 0,25 W / KI 2	x		WN 18/3/1 1)
R 161	1	Schichtwiderstand WN 18 / 1 / 3	1,65 kΩ / 1 % / 0,25 W / KI 0,5	x		
R 162	1	Schichtwiderstand WN 18 / 1 / 3	2,2 kΩ / 1 % / 0,25 W / KI 0,5	x		
R 163	1	Schichtwiderstand RFHD 1 / 4	1,7 Ω / 1 % / 0,25 W / KI 0,5	x		Electronic
R 164	1	Schichtwiderstand WN 18 / 1 / 3	4,7 Ω / 1 % / KI 0,5 / LCA 0309	x		
R 165	1	Schichtwiderstand WN 18 / 1 / 3	10 kΩ / 5 % / 0,25 W / KI 2	x		
R 166	1	Metall-Schichtwid. HFE 1413	152,28 Ω / 0,1 % / 0,2 W	x		RIG
R 167	1	Metall-Schichtwid. HFE 1413	152,28 Ω / 0,1 % / 0,4 W	x		RIS
R 171	1	Schichtwiderstand	1,6 kΩ / 5 % / 0,25 W / KI 2	x		WK 18/3/1 1)
R 172	1	Schichtwiderstand	33 kΩ / 5 % / 0,25 W / KI 2	x		WN 18/3/1 1)

Serie ...H: 1) entfällt 2) wie Normalausführung

Teil	Stck	Benennung	Sach-Nummer	zu-sätzlich	entfällt	Bemerkungen
R 173	1	Schichtwiderstand	33 Ω / 5 % / 0,25 W / KI 2	x		WN 18/3/1 1)
R 174	1	Schichtwiderstand	22 kΩ / 5 % / 0,25 W / KI 2	x		WN 18/3/1 1)
R 175	1	Schichtwiderstand	47 Ω / 5 % / 0,25 W / KI 2	x		WN 18/3/1 1)
R 935					x	2)
R 935	1	Schichtwiderstand	4,12 kΩ / 1 % KI 0,5 / 0309	x		WN 18/1/3 1)
R 938					x	2)
R 938	1	Schichtwiderstand	21 kΩ / 1 % / KI 0,5 / 0309	x		WN 18/1/3 1)
C 102					x	
C 106					x	
C 107					x	
C 108					x	
C 112					x	
C 113					x	
C 114					x	
C 115					x	
C 116					x	
C 118					x	
C 120					x	2)
C 120	1	Trimmer	4,5/20 pF / N 750 / 7 S-Trika 06	x		Stettner 1)
C 122					x	2)
C 136					x	
C 137					x	
C 141	1	Kf.-Kondensator B 32 110-E 9106-M	10 µF / 20 % / 63 V -	x		Siemens
C 142	1	Kf.-Kondensator B 32 110-E 9106-M	10 µF / 20 % / 63 V -	x		Siemens
C 143	1	Kf.-Kondensator B 32 110-E 9105-M	1 µF / 20 % / 63 V -	x		Siemens
C 144	1	Kf.-Kondensator B 32 110-M 9105-M	1 µF / 20 % / 63 V -	x		Siemens

Serie H 2: 1) entfällt 2) wie Normalausf.

Änderungen von BN 341/5 in BN 341/6 SPM-6
Modifications from to

Teil	Stck	Benennung	Sach-Nummer	zu-sätzlich	entfällt	Bemerkungen
C 145	1	Ker.-Kondensator WN 110 / 2 / 3	100 pF / 2 % / 500 V -	x		Abgleichwert
C 146	1	Ker.-Kondensator N 150/TB 84 3x10 K1	10 pF / 2 % / 500 V -	x		Abgleichwert bei Bedarf im Prüffeld
C 147	1	Glimmer, Kond. Bf. 53 - 1	560 pF / 1 % / 250 V -	x		Jahre
C 148	1	Trimmer WN 111 / 1 / 2	10 / 40 pF / N 750	x		
C 149	1	Ker.-Kondensator WN 110 / 2 / 3	22 pF / 2 % / 500 V -	x		
C 150	1	Kf.-Kondensator MKT 1813 - 422 / 0	0,22 µF / 10 % / 100 V -	x		ERO x)
C 150	1	Kf.-Kondensator MKT 1813 - 433 / 0	0,33 µF / 10 % / 100 V -	x		ERO x)
C 151	1	Kf.-Kondensator MKt 1813 - 410 / 0	0,1 µF / 20 % / 100 V -	x		ERO
C 152	1	Trimmer WN 111 / 1 / 2	10 / 40 pF / N 750	x		
C 153	1	Ker. Kondensator WN 110 / 2 / 3	ca. 2 pF / ± 0,5 pF / 500 V -	x		Abgleichwert bei Bedarf im Prüffeld
C 154	1	Ker. Kondensator WN 110 / 2 / 3	ca. 2 pF / ± 0,5 pF / 500 V -	x		Abgleichwert bei Bedarf im Prüffeld
C 155						1)
C 166	1	Ker. Kondensator WN 110 / 2 / 3		x		Abgleichwert bei Bedarf im Prüffeld einsetzen
C 167	1	Ker. Kondensator WN 110 / 2 / 3		x		
C 168	1	Kf.-Kondensator	0,22 µF / 20 % / 100 V	x		WN 110 / 3 / 7 3)
C 169	1	Kf.-Kondensator	10 nF / 20 % / 630 V	x		WN 110 / 3 / 7 3)
C 170	1	Kf.-Kondensator	22 nF / 20 % / 400 V	x		WN 110 / 3 / 7 3)
C 171	1	Ker. Kondensator	15 pF / 5 % / N 150	x		WN 110 / 2 / 3 3)
L 101	1	Spule			x	
L 201	1	Spule	Bv. 341 - 7878.1	x		2)
L 103	1	Spule			x	
L 103	1	Spule	0,15 µH No. 1537 - 00	x		Delevan
L 110	1	Spule	2,2 µH / No. 1537 - 20	x		1)
L 111	1	Spule	2,2 µH / No. 1537 - 20	x		1)
L 112	1	Spule	2,2 µH / No. 1537 - 20	x		1)
L 113	1	Spule	2,2 µH / No. 1537 - 20	x		1)

x) Der erforderliche Wert richtet sich nach dem L-Wert von Ü 102: für 2 mH: 0,22 µF, für > 2 mH: 0,33 µF;
Serie N 2: 1) 1 Trimmer R-Triko 109-01 N/1...6 pF/NO75 2) Bv. 341-7878 3) entfällt

Teil	Stck	Benennung	Sach-Nummer	zu-sätzlich	entfällt	Bemerkungen
Bu 101	1	Buchse			x	
Bu 101	1	Buchse	Typ 216 F (Bell-System)	x		Western-Electric
Bu 102	1	Buchse			x	
Bu 102	1	Buchse	Typ 216 F (Bell-System)	x		Western-Electric
Bu 103	1	Buchse Typ 470 C (Bell-System) bearbeitet n. Zchng. 341-0352.03/5		x		Western-Electric
Bu 104	1	Buchse Typ 470 C (Bell-System) bearbeitet n. Zchng. 341-0352.03/5		x		Western-Electric
Bu 105	1	Buchse Typ 470 C (Bell-System) bearbeitet n. Zchng. 341-0352.03/5		x		Western-Electric
S 101	1	Schalter			x	
S 101	1	Schalter Typ 1703 k Achsl.: 20 mm	3 x 4 Kontakte 7 µm hartvergold.	x		SEL
S 102					x	
Gl 101					x	2)
Gl 102					x	2)
Gl 103					x	2)
T 103	1	Transistor	BCY 59 D			1)
Ü 101	1	Übertrager			x	
Ü 101	1	Übertrager	Bv. 341 - 7763	x		
Ü 102	1	Übertrager	Bv. 341 - 7762	x		
Rel 101	1	Relais			x	2)
Rel 101	1	Relais	Bv. 341 - 8209	x		1)
Rel 102	1	Relais			x	2)
Rel 102	1	Relais	9W0 - 12 V	x		National 1)
Rel 103	1	Relais			x	2)
Rel 103	1	Relais	RH0 - 12 V	x		National 1)
Rel 108	1	Relais			x	2)
Rel 109	1	Relais			x	2)

Serie N 2: 1) entfällt 2) wie Normalausf.

Änderungen von BN 341/5 in BN 341/6 SPM-6
Modifications from to

MP MASTER
MA29285